Broadway Helen Henny Cyberamic Mask

Assembly guide

Notes:

-These patterns are meant to be printed on A4 paper
-Print the entire Pdf,not just certain pages,so that they get printed at 1:1 scale(printing just certain pages for some reason makes everything slightly bigger)
-Make sure when printing,in the settings set is as „fit to paper" not „fit to printable area" so the patterns get printed at full size
-Do not cut the borders of the pages
-Good Luck :)

Materials:

Mask:
-4mm plywood ~50/50cm
-1/4 inch plywood ~100/50cm
-1 inch foam ~100/200cm(typically black foam was used,but green and white foam were also used in limited cases)
-White Stretchy Terry Cloth~3 yard (~3m^2)
-Yellow Stretchy Silk Fabric~1 yard (~1m^2)
-Red Stretchy Silk Fabric~1 yard (~1m^2)
-Black Stretchy Terry Cloth~1 yard (~1m^2)
-Red Sequin Fabric~50/50cm
-Red Sequin Fabric~50/50cm
-Thick Turquoise Card Stock~50/50cm
-Thick Black Card Stock~50/50cm
-Black Mesh Fabric~50/50cm
-8"diamater Black Tipped White Turkey Feather Boa ~25-30ft

Mask spcers:
-x4 M6 60mm hex bolt
-x4 M6 50mm coupling nut

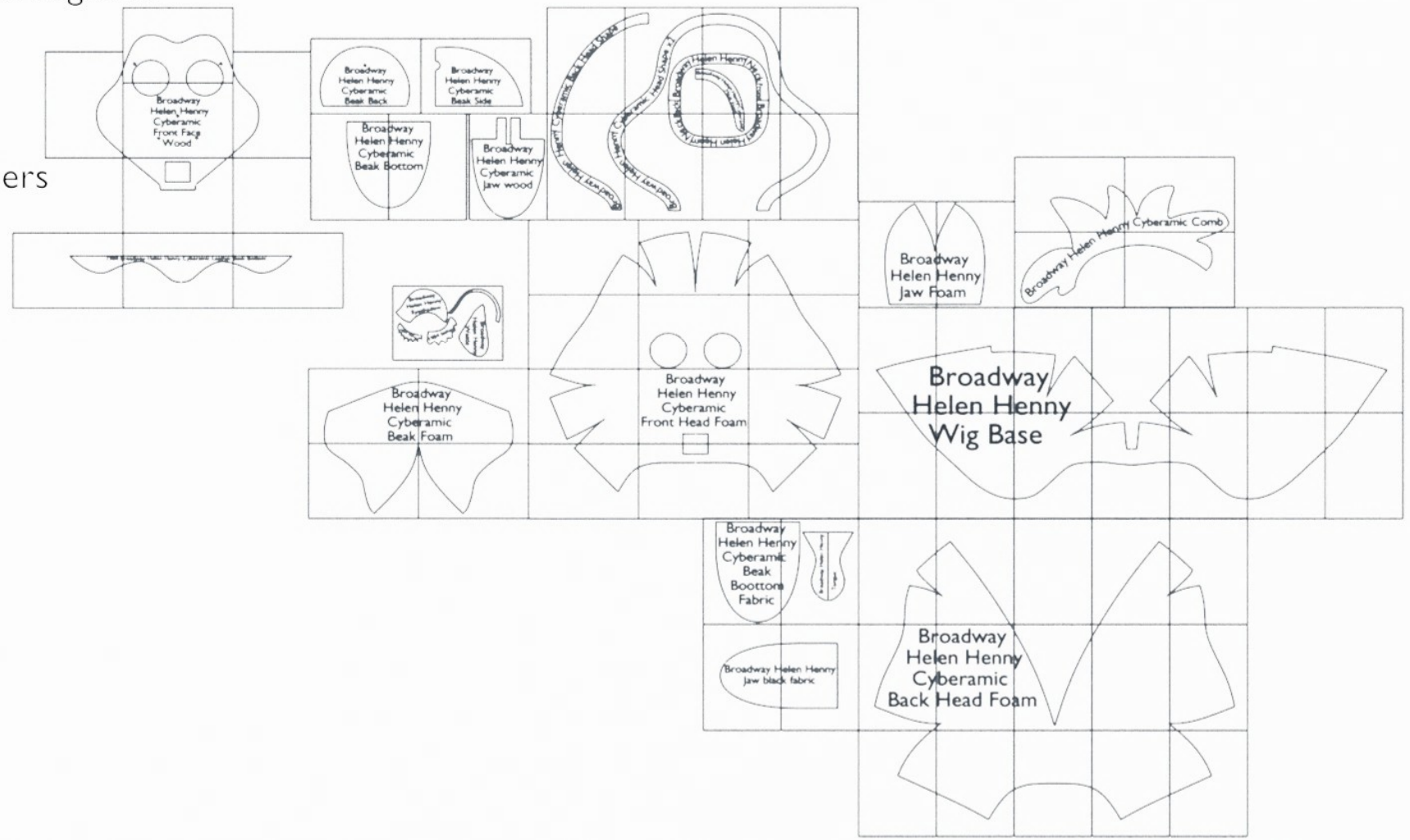
Traditional Snout attachment:
-1/4 inch Internally threaded rod
1/4 inch screw<40mm
1/4 inch washer

Simpler Snout attachment:
-M6 hex bolt<40mm
-M6 coupling nut<30mm

Pattern assembly:

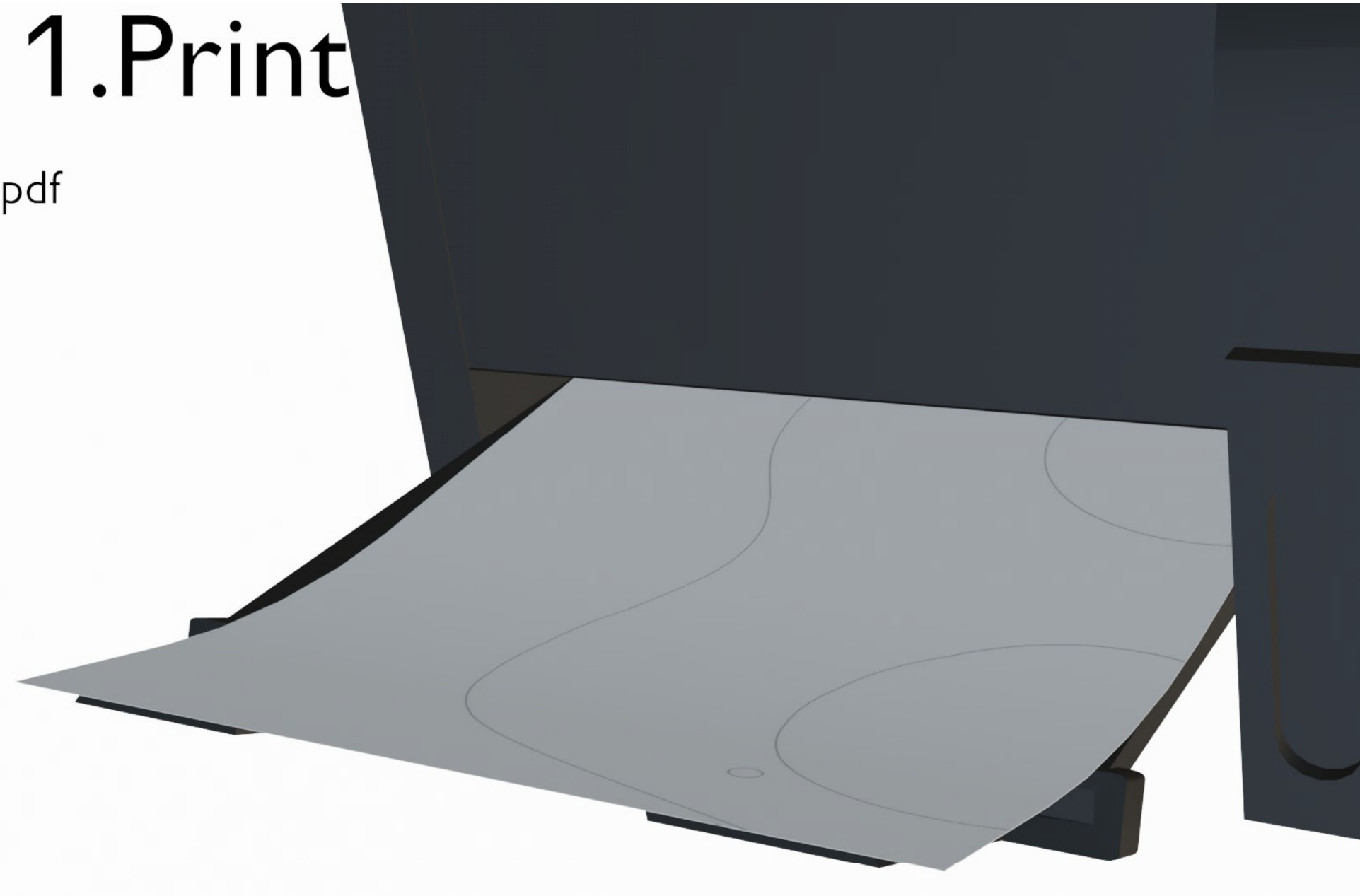
-Simply tape the pieces togheter

-If there are any borders on the images do NOT cut them

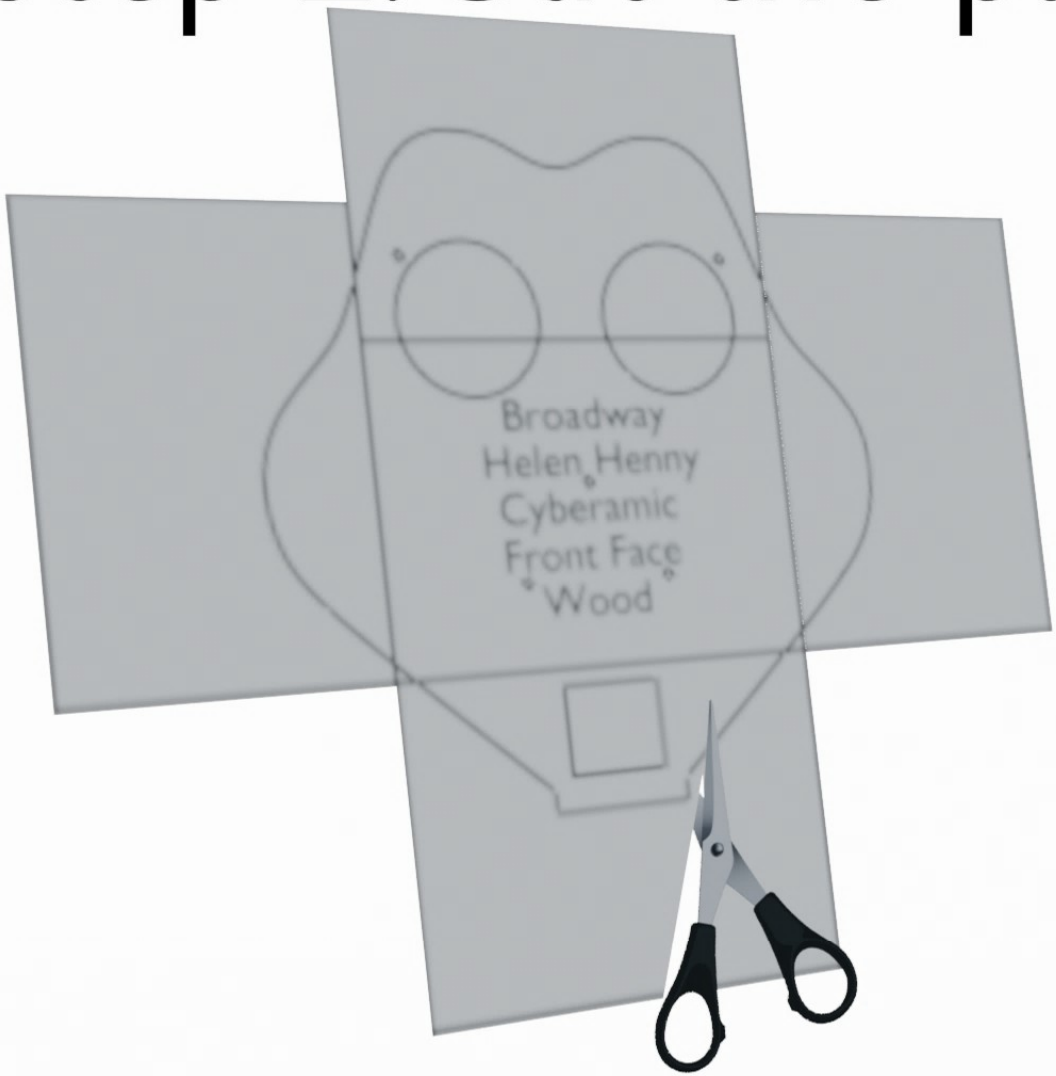

Broadway Helen Henny Cyberamic Front Face Wood
Broadway Helen Henny Cyberamic Beak Back
Broadway Helen Henny Cyberamic Beak Side
Broadway Helen Henny Cyberamic Beak Bottom
Broadway Helen Henny Cyberamic Jaw wood
Broadway Helen Henny Jaw Foam
Broadway Helen Henny Cyberamic Comb
Broadway Helen Henny Cyberamic Beak Foam
Broadway Helen Henny Cyberamic Front Head Foam
Broadway Helen Henny Wig Base
Broadway Helen Henny Cyberamic Beak Boottom Fabric
Broadway Helen Henny Jaw black fabric
Broadway Helen Henny Cyberamic Back Head Foam

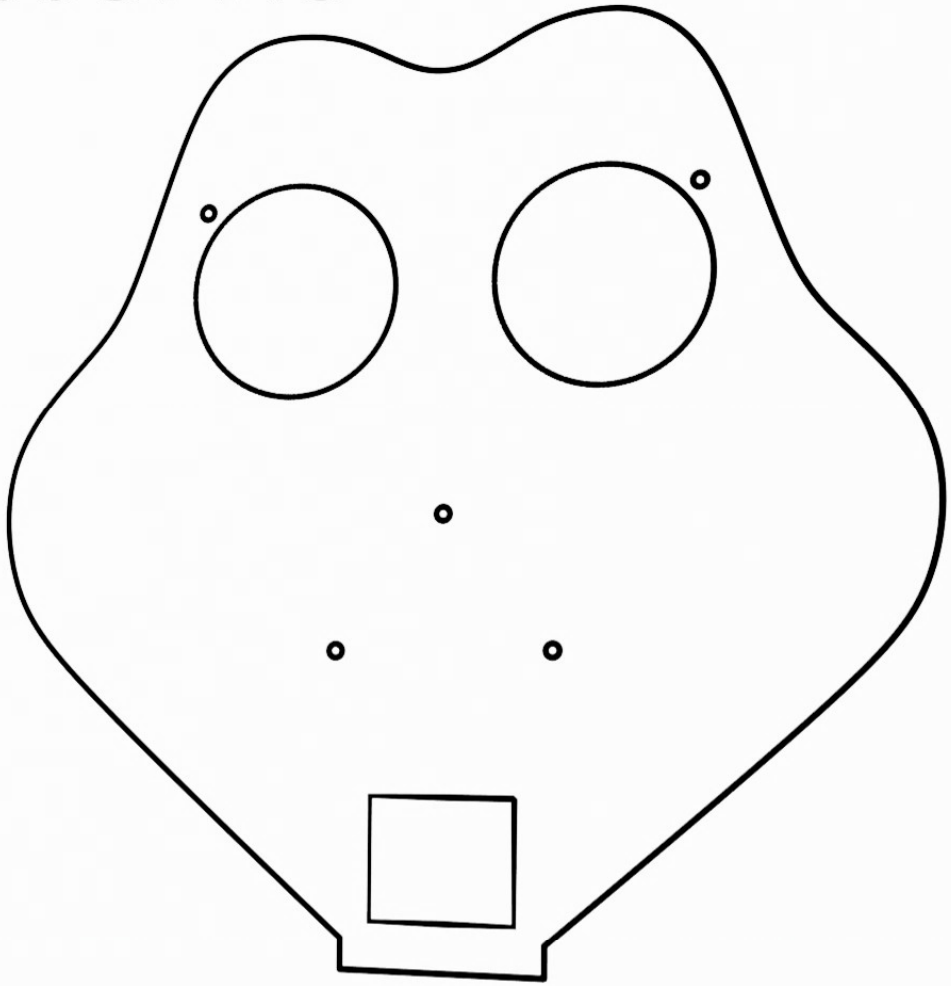
Step 1.Print

-Print the pdf



Step 2.Cut the patterns

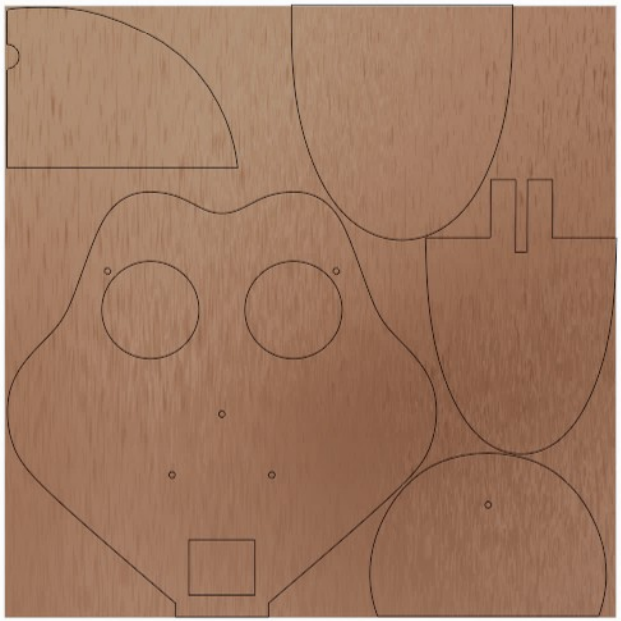




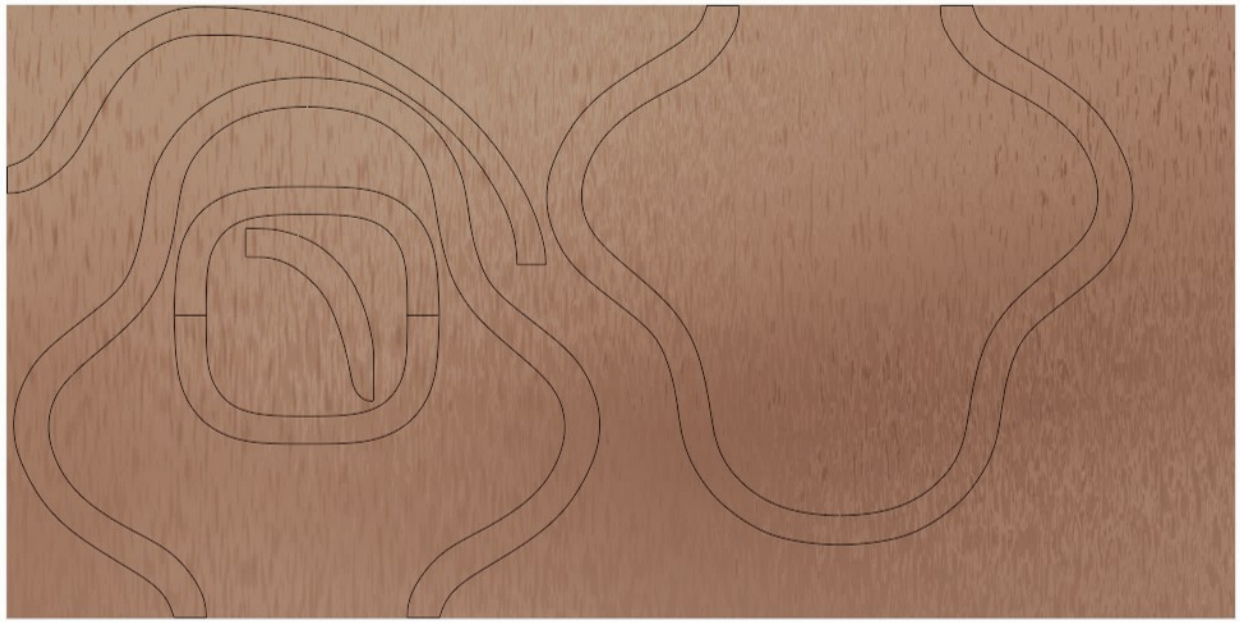
Step 3.Cut the wood

-Trace the patterns onto the wood then cut the pieces out

4mm wood



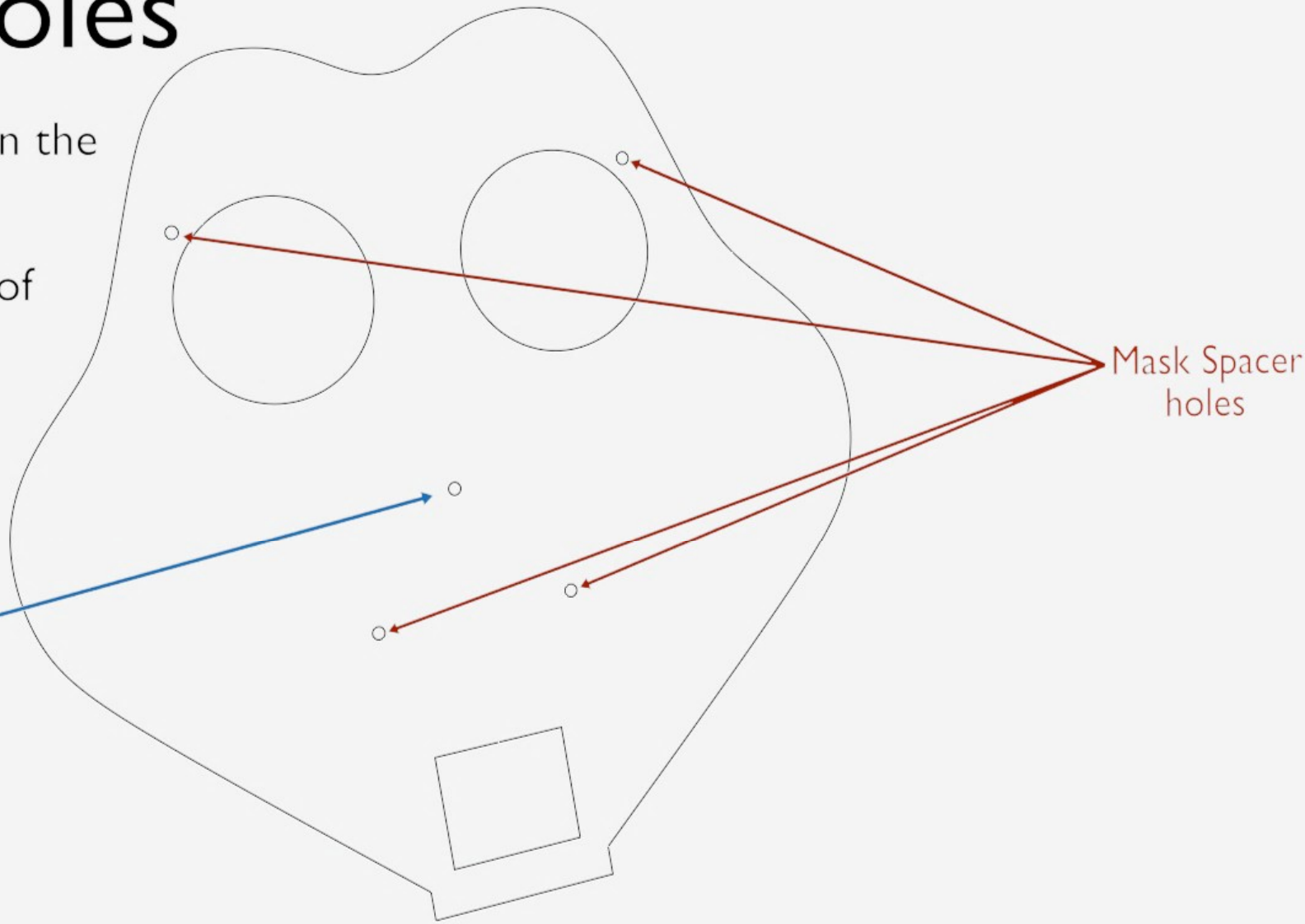
1/4 wood



Step 4:Holes

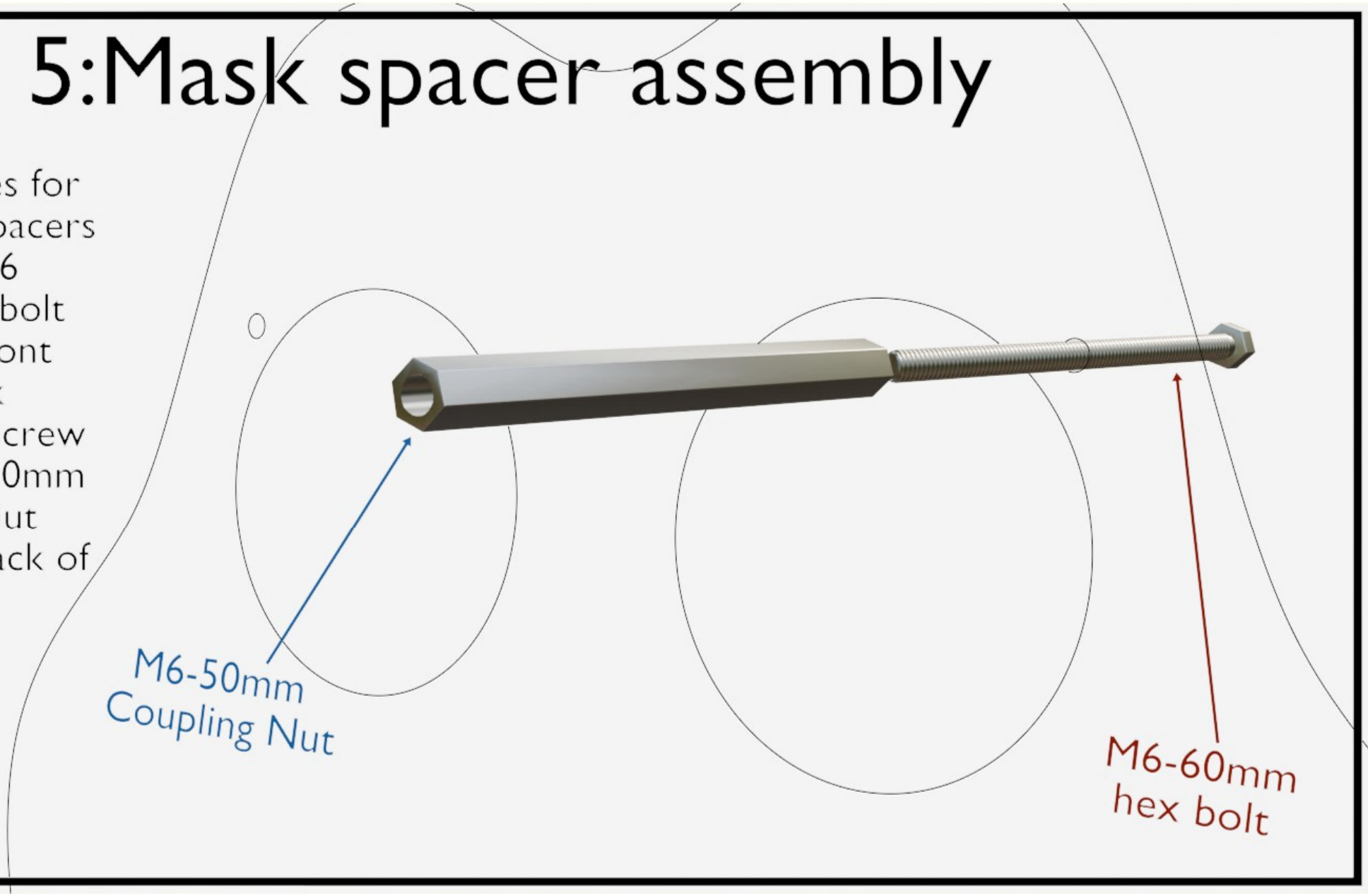
-Drill out the holes on the front maks plate

-All the holes are1/4 of an inch(6.35mm)



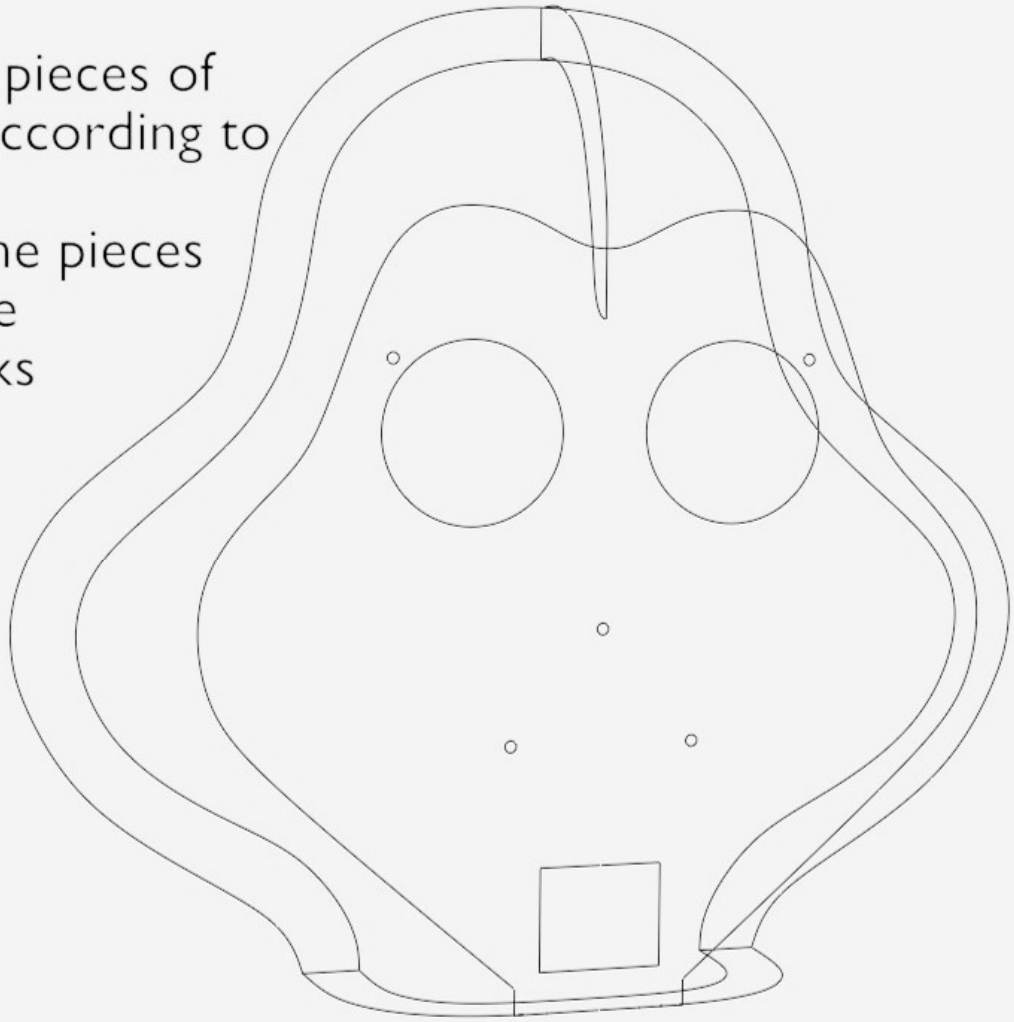
Step 5:Mask spacer assembly

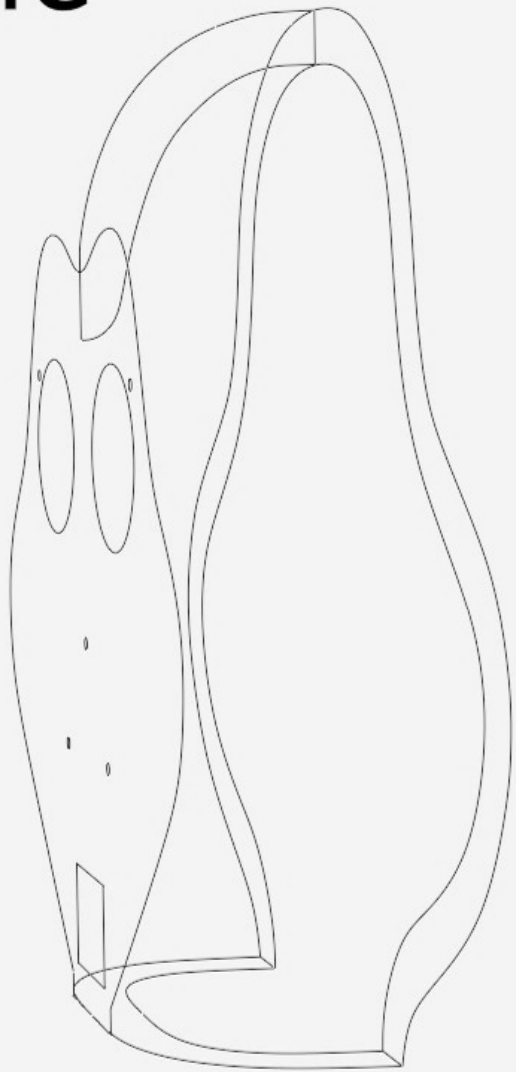
-In the holes for the mask spacers insert an M6 60mm hex bolt from the front of the mask plate,then screw on an M6-50mm Coupling Nut from the back of the plate



Step 6: The front head frame

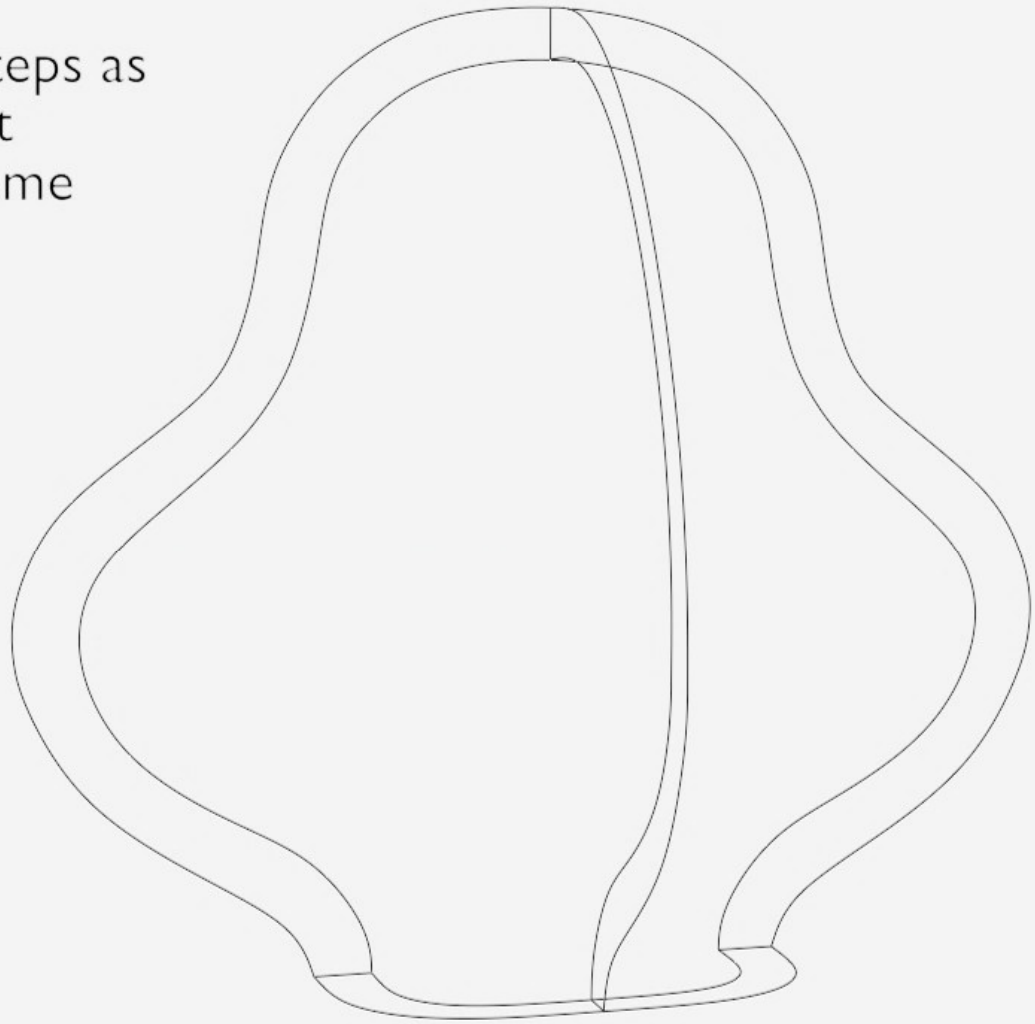
-Put togheter the pieces of the front mask according to this diagram
-You can attach the pieces however you like
-The original masks were hot glued togheter

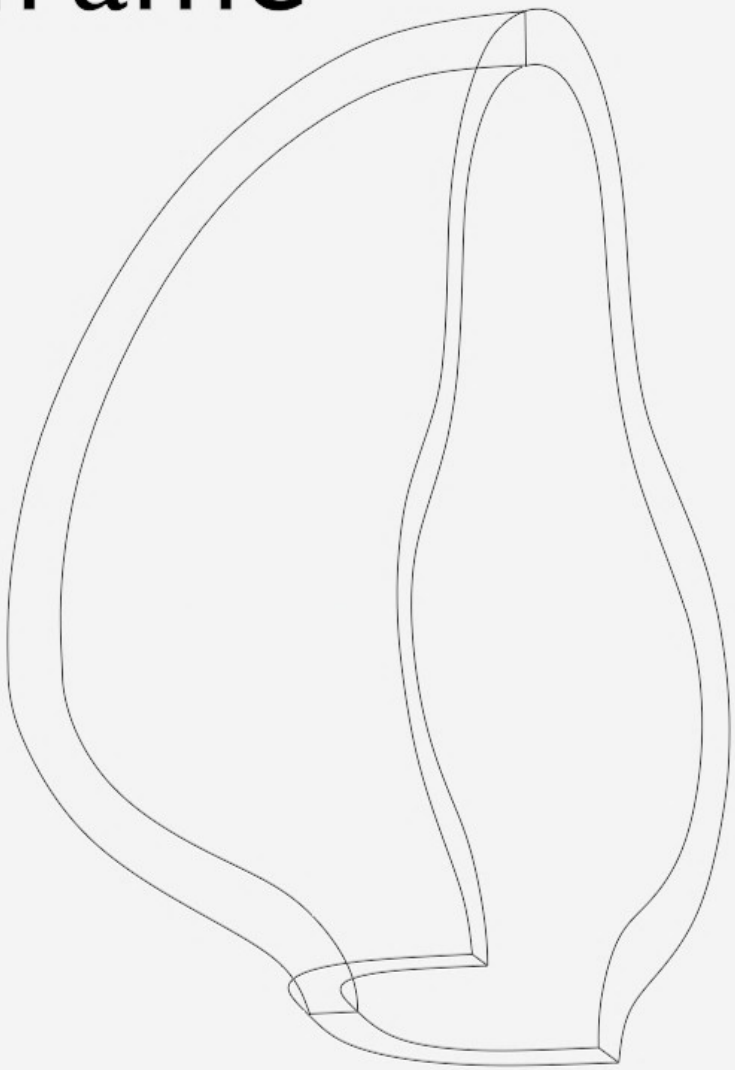




Step 7:The Back head frame

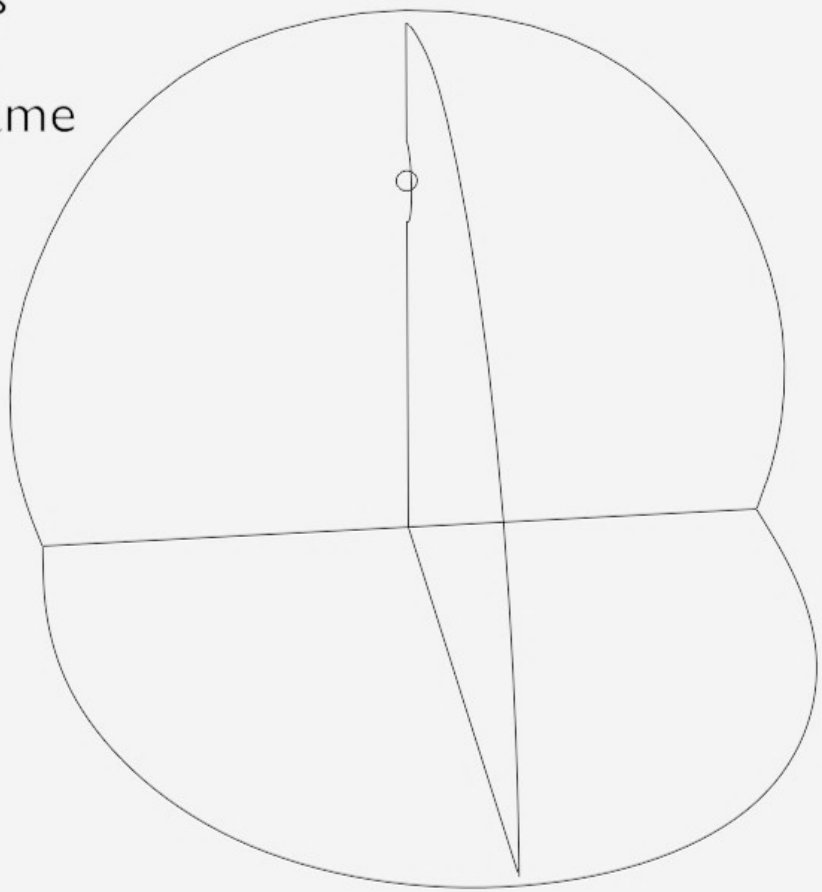
-Same steps as the front mask frame

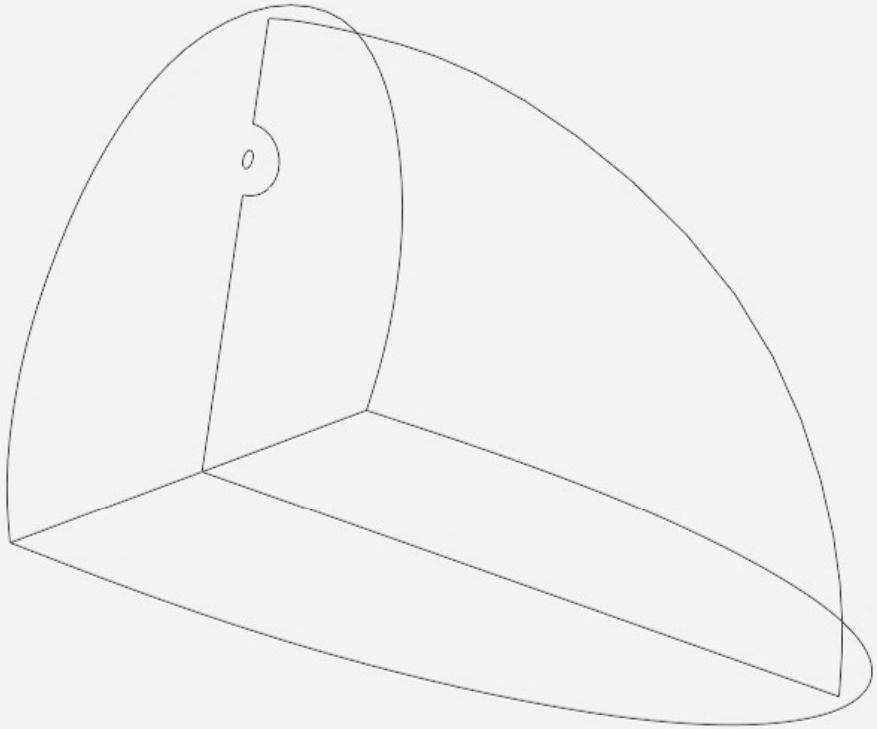




Step 8: The Beak

-Same steps as the front and back mask frame

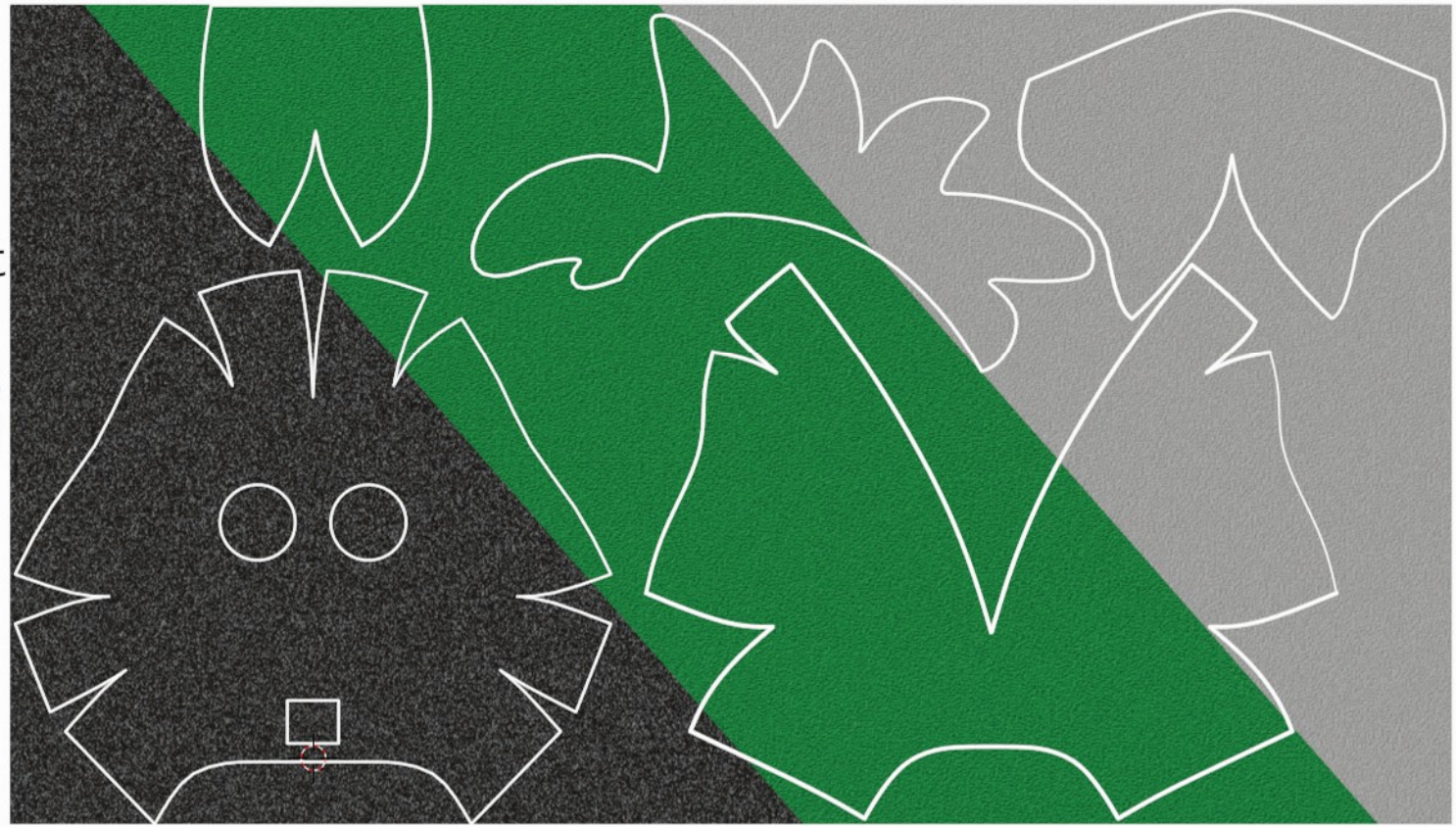




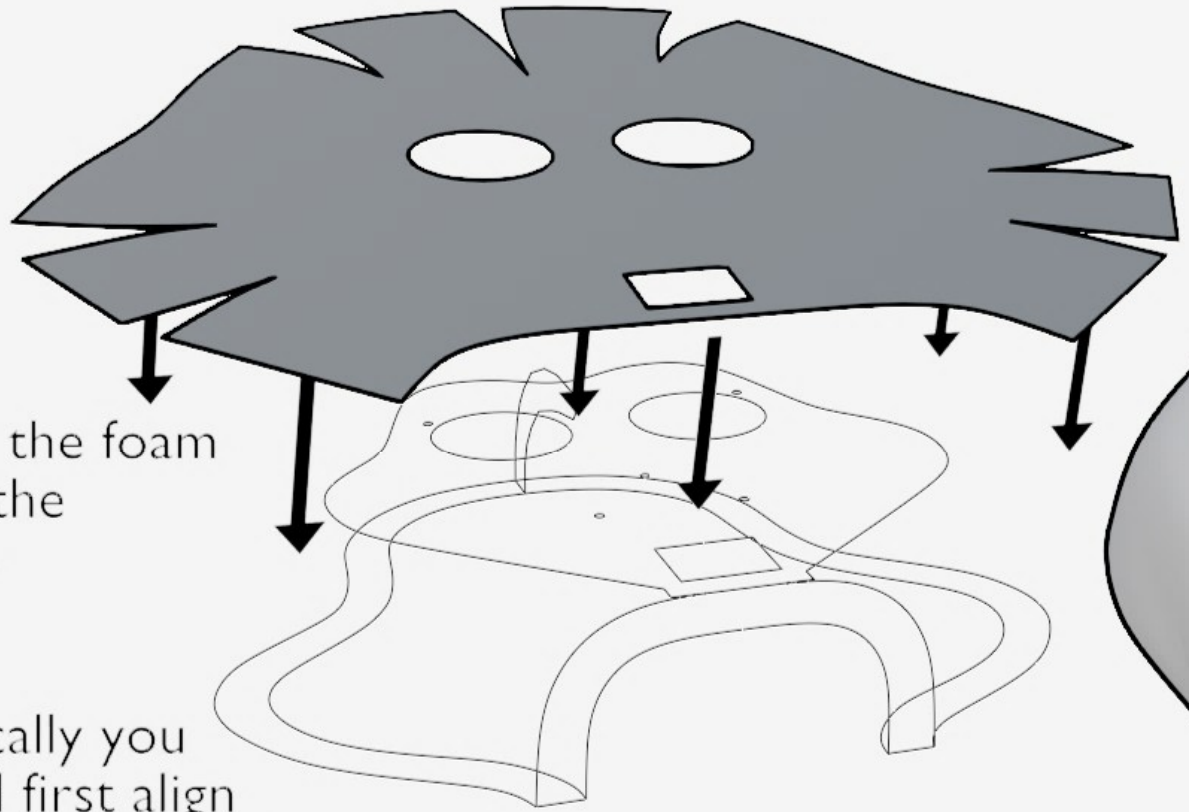
Step 9.Cut the foam

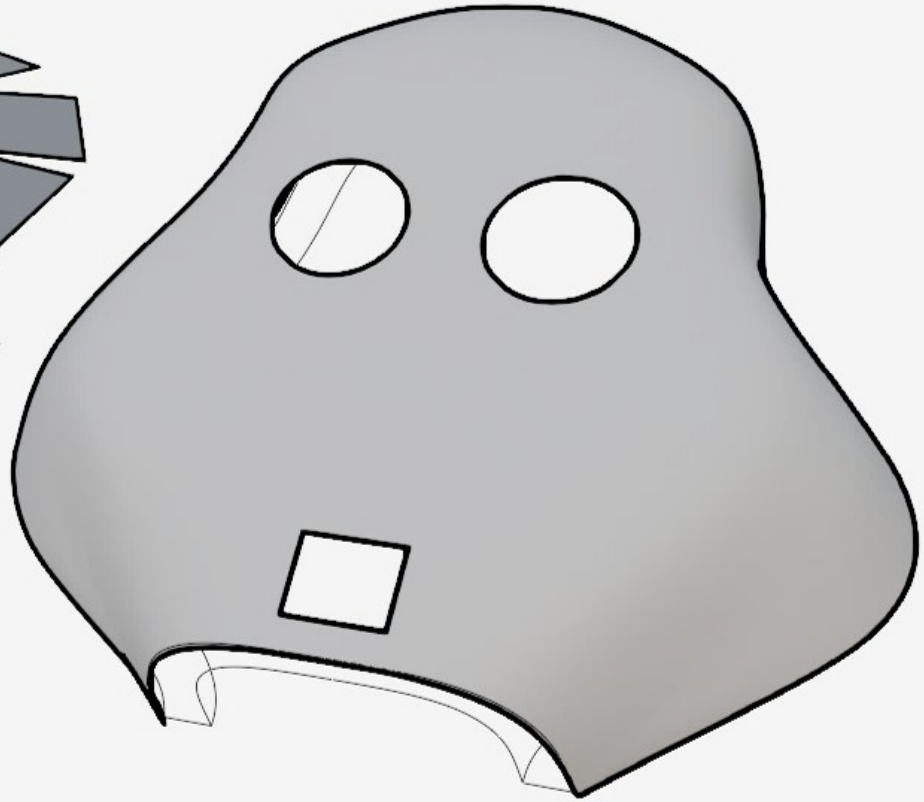
-Use whatever type of foam you like

-Black was the most common,but green and white foam has also been observed



Step 10:Front head foam

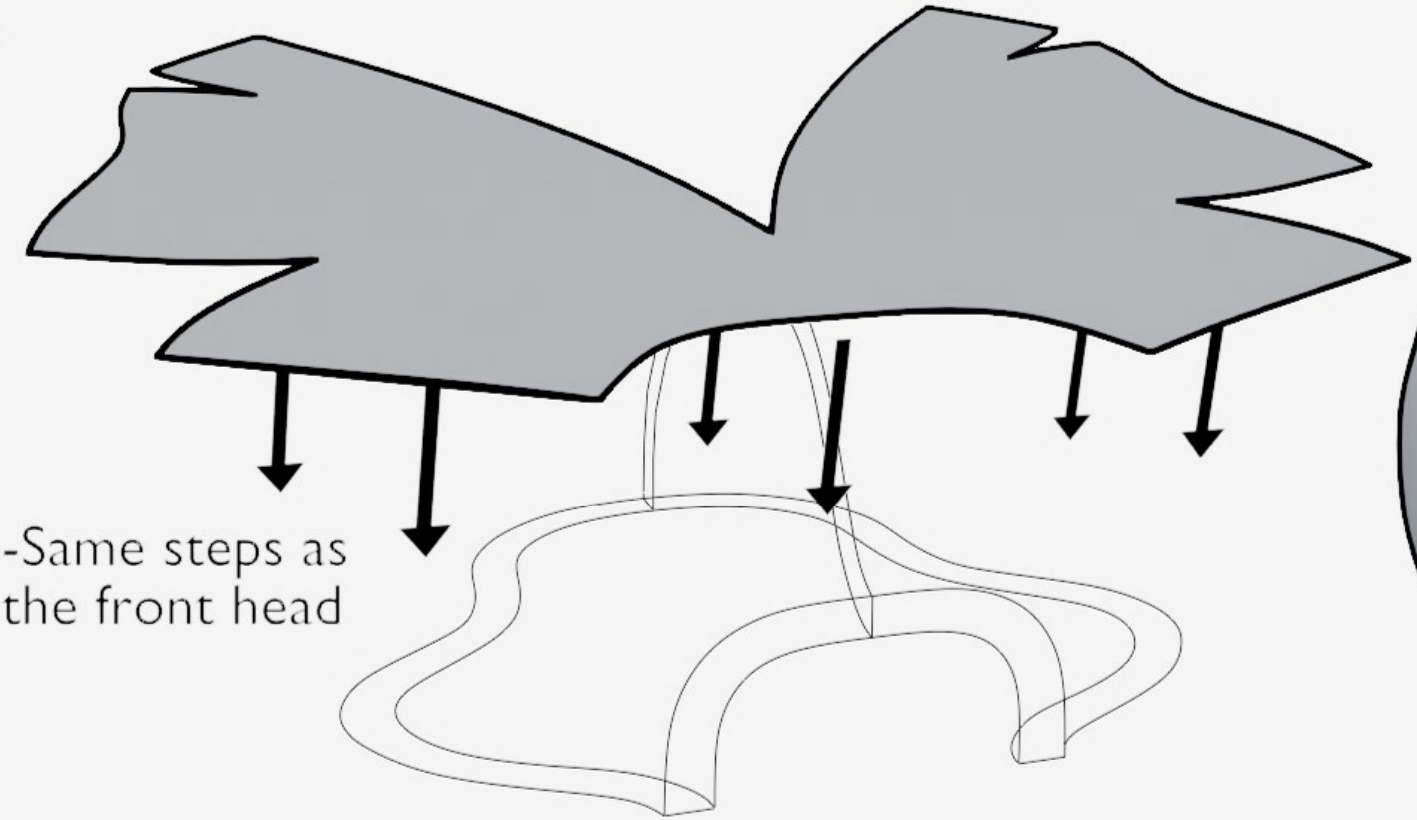




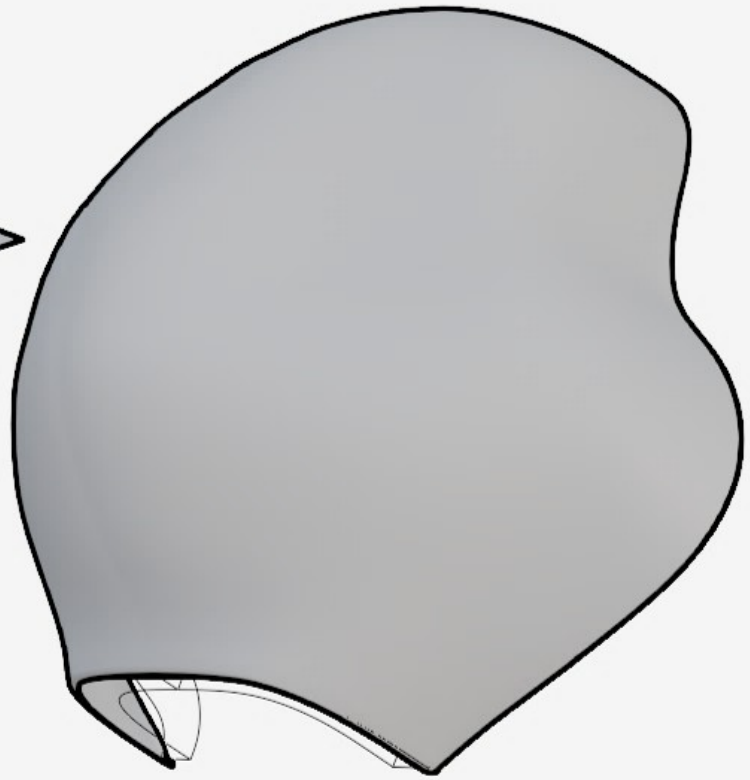
-Glue the foam onto the frame

-Typically you would first align the eye and jaw holes, then the slits,before glueing the rest

Step 11:Back head foam

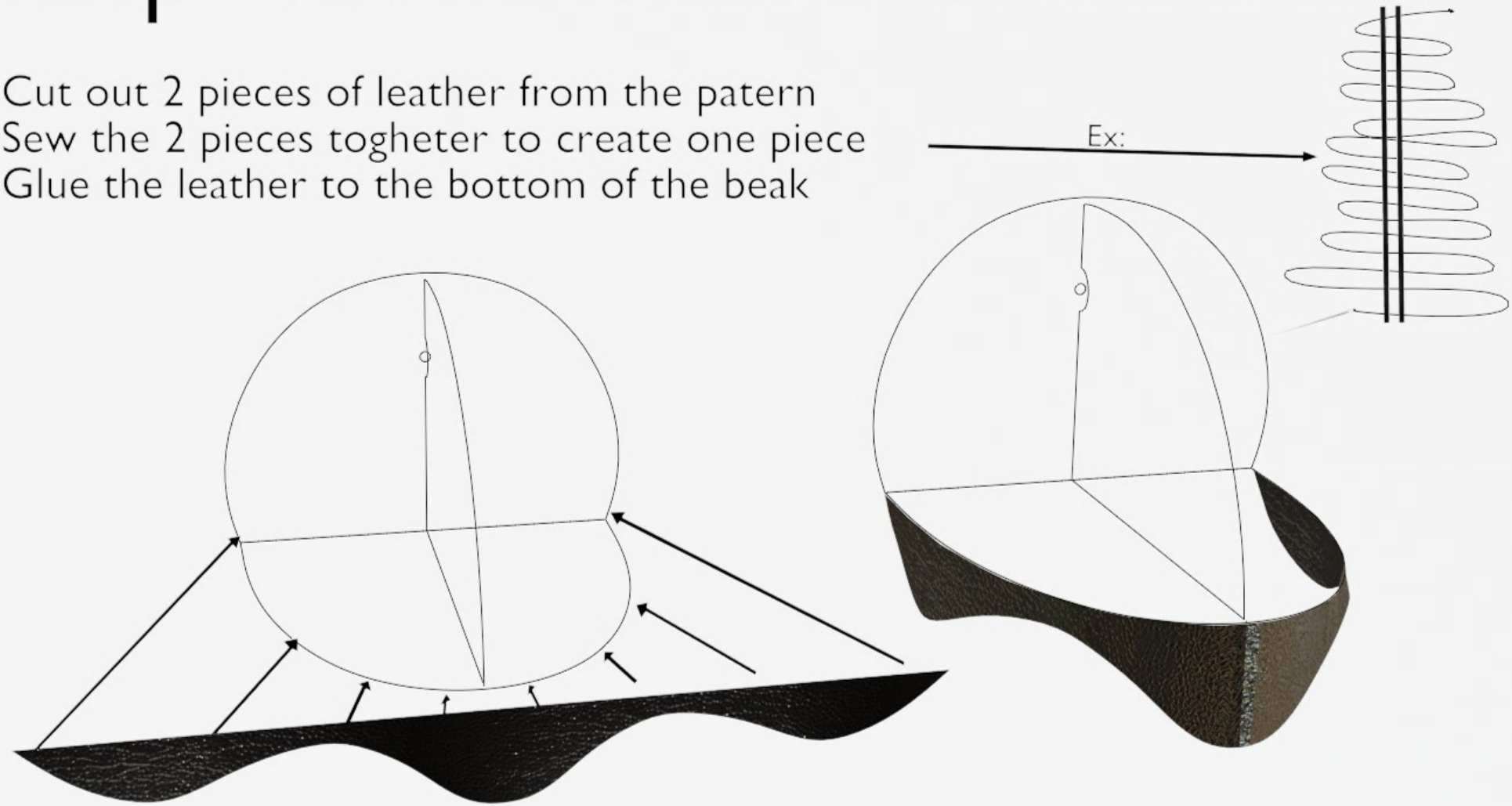


-Same steps as the front head



Step 12:The leather of the beak

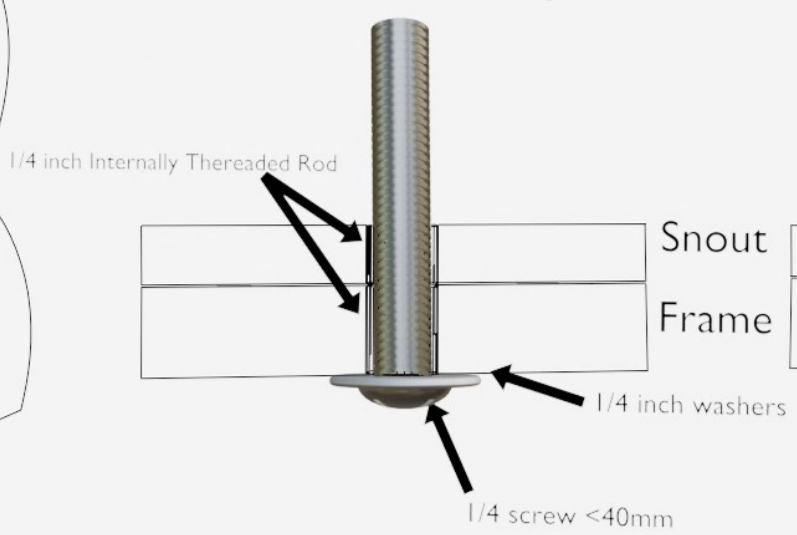
-Cut out 2 pieces of leather from the patern
-Sew the 2 pieces togheter to create one piece
-Glue the leather to the bottom of the beak



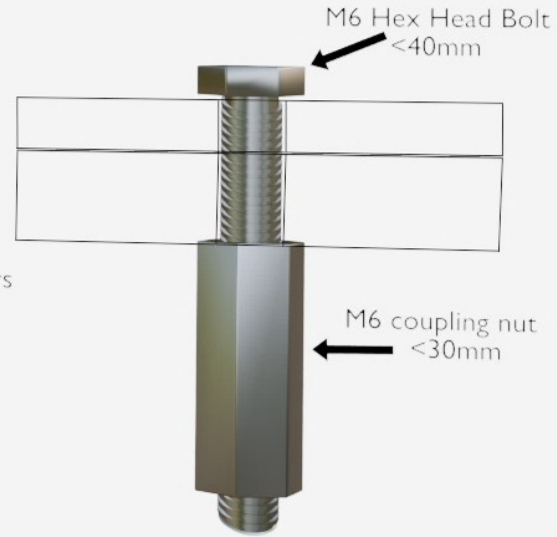
Step 13:Beak attachment

-The traditonal way of attaching the beak to the front head is a little dificult to work with.If you don't have the skills(or just simply can't find the parts)I've provided bellow is a simpler sollution that is just as effective!

Traditional way:

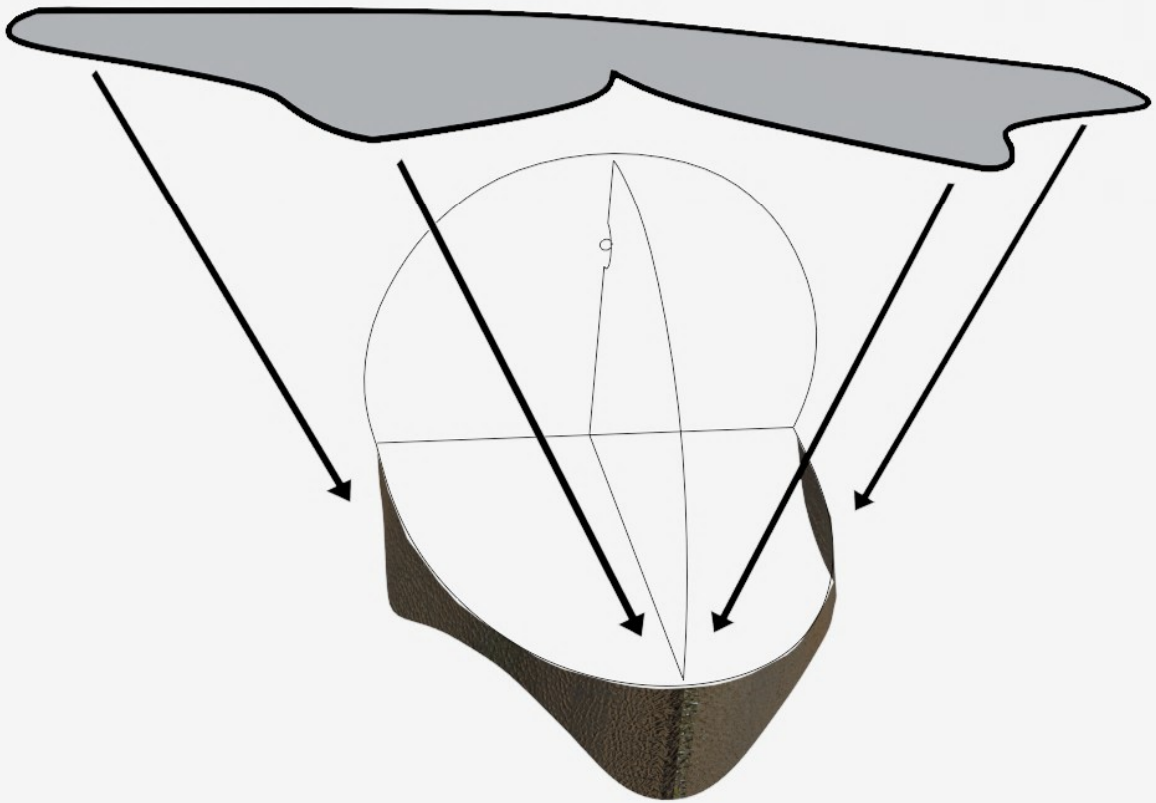


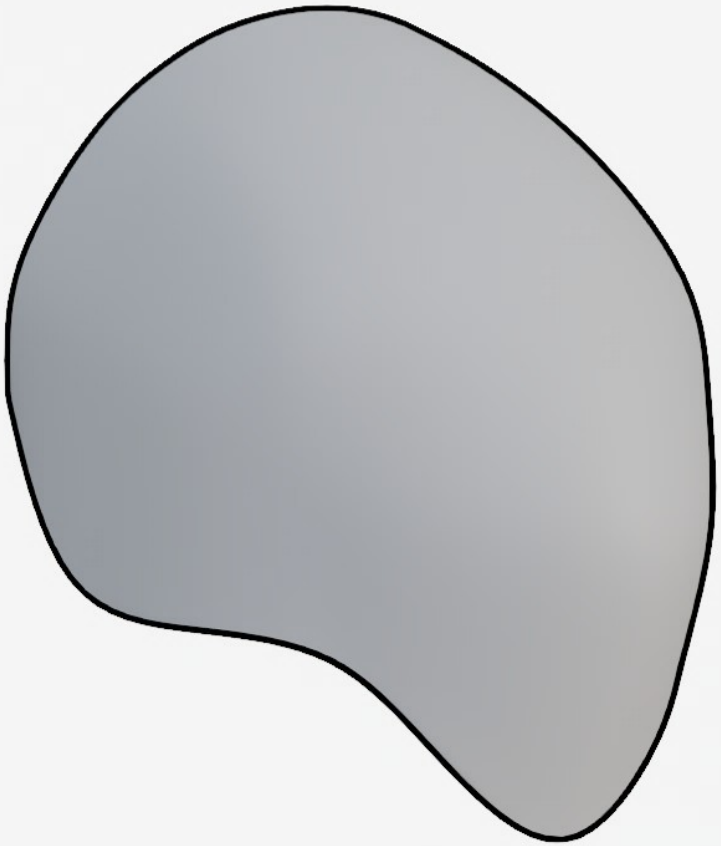
Simpler way:



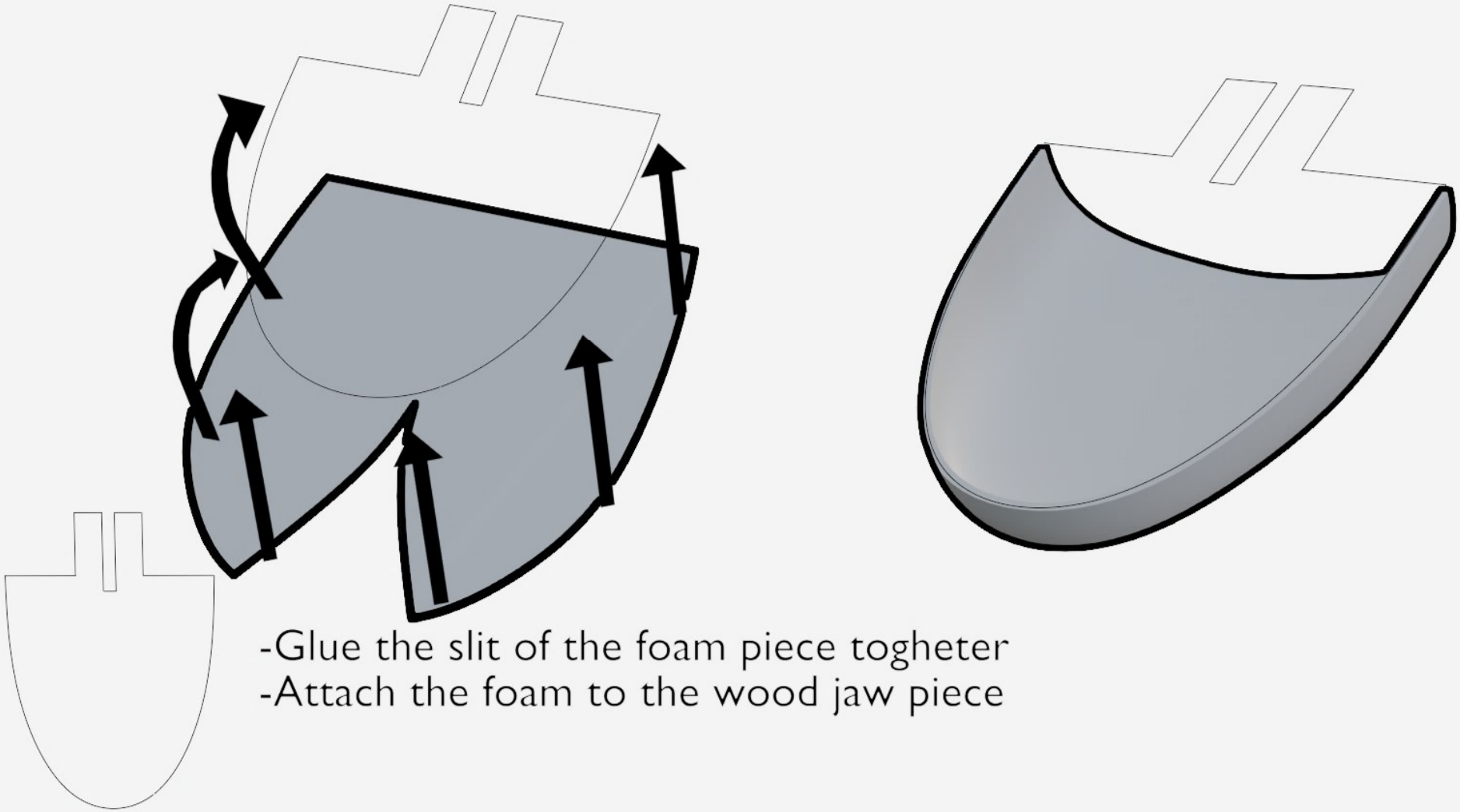
Step 14:Beak foam

-Cut out the foam piece
-Simply glue the slit togheter then lay the foam over the frame





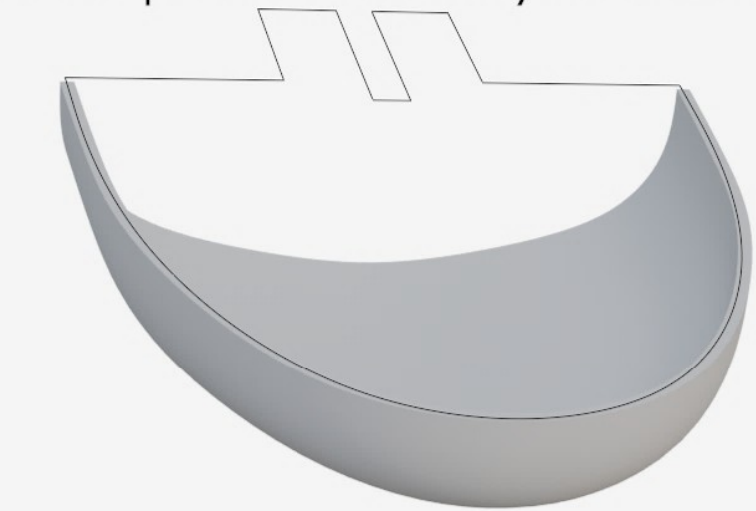
Step 15:The Jaw foam

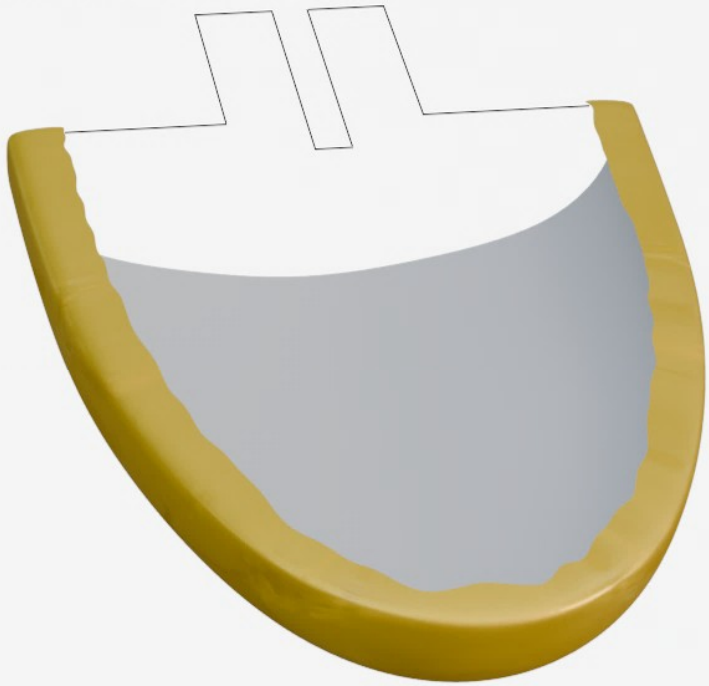


-Glue the slit of the foam piece togheter
-Attach the foam to the wood jaw piece

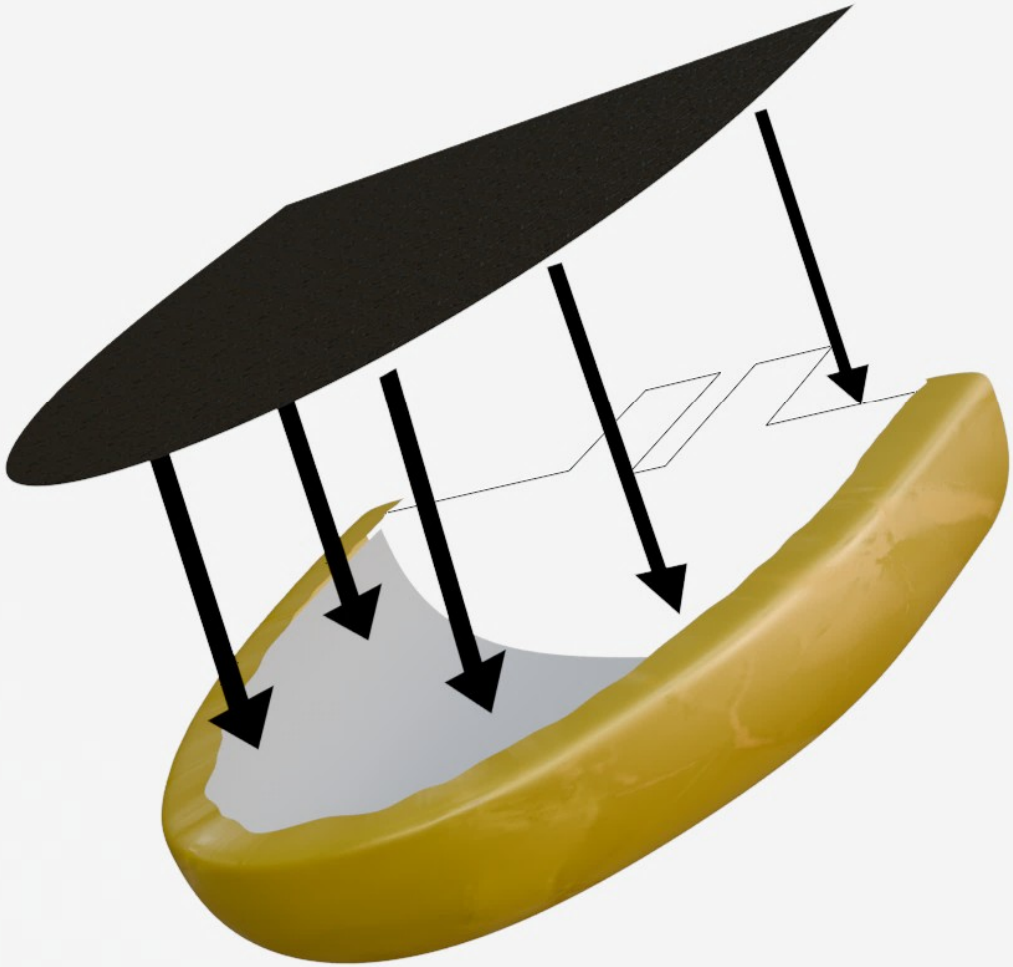
Step 16:Jaw Fabric

-Cut out a piece of stretchy silk fabric and pull it over the foam

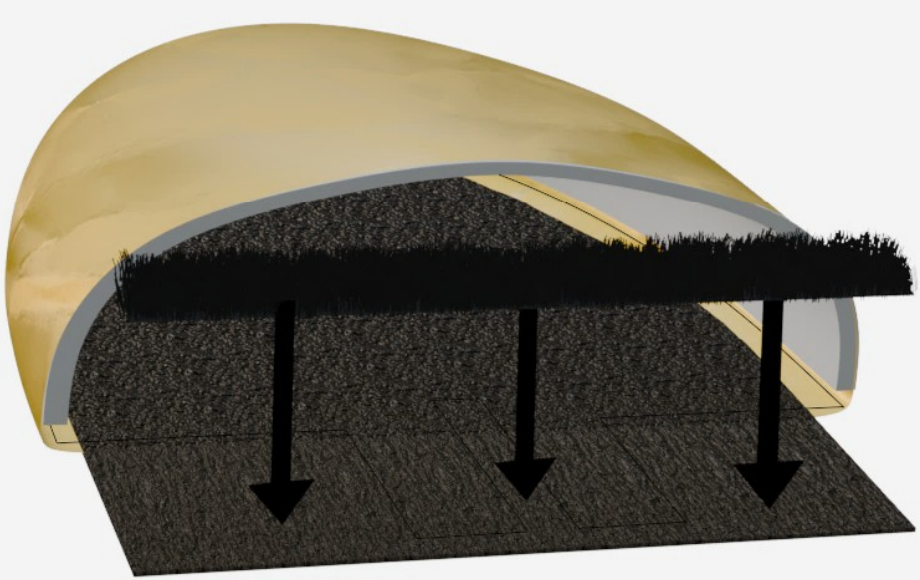


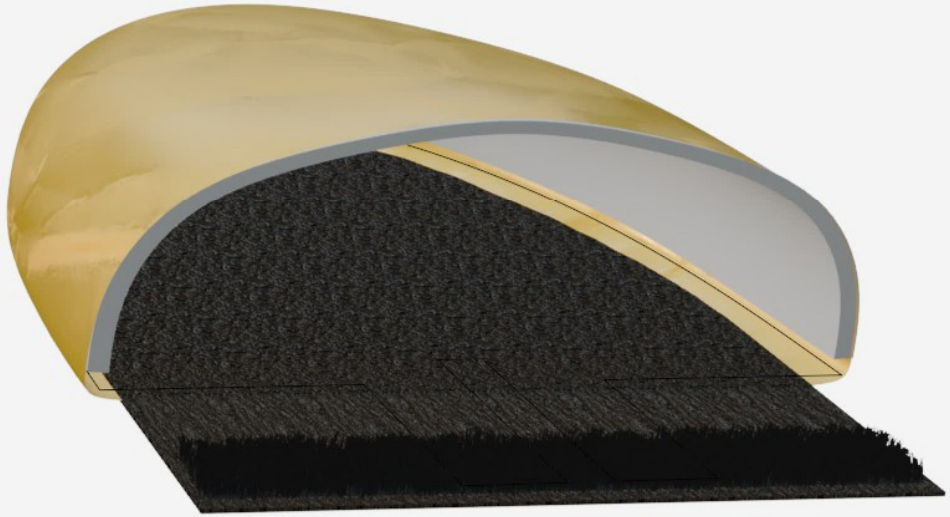


Step 17:Glue the black fabric



Step 18:Add velcro

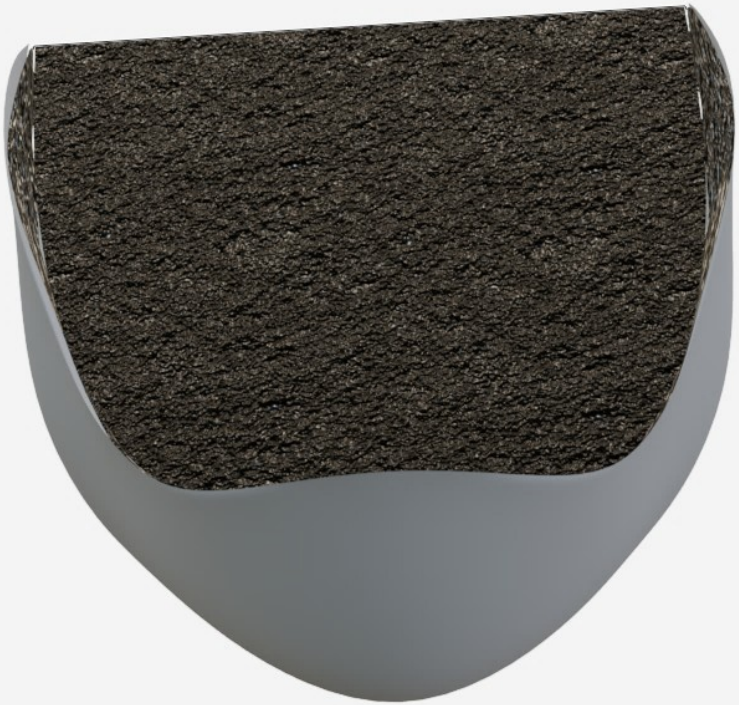




-Glue a strip velcro onto the edge of the bottom of the black fabric

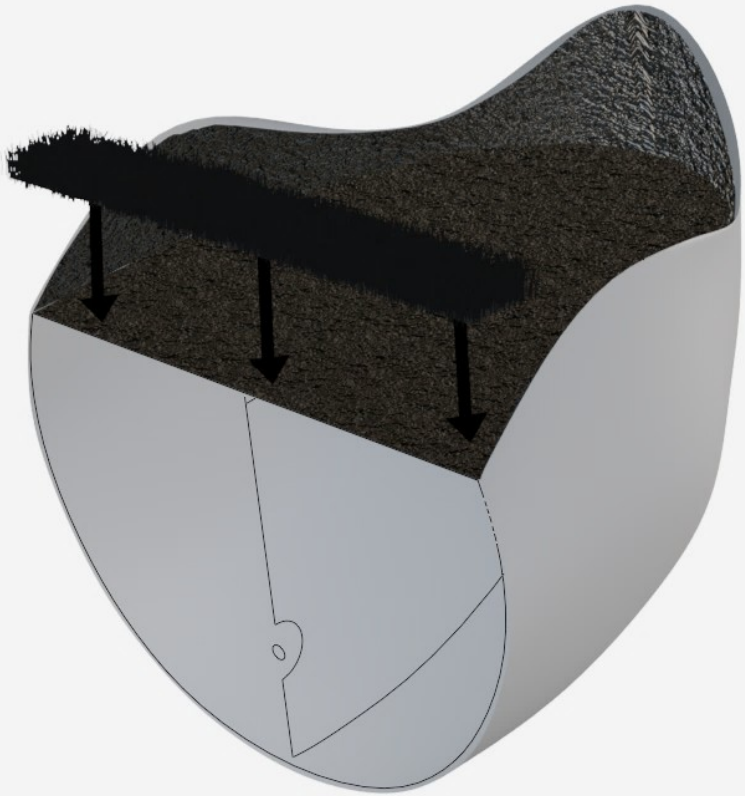
Step 19:Snout bottom fabric

-Same fabric as the black part of the jaw



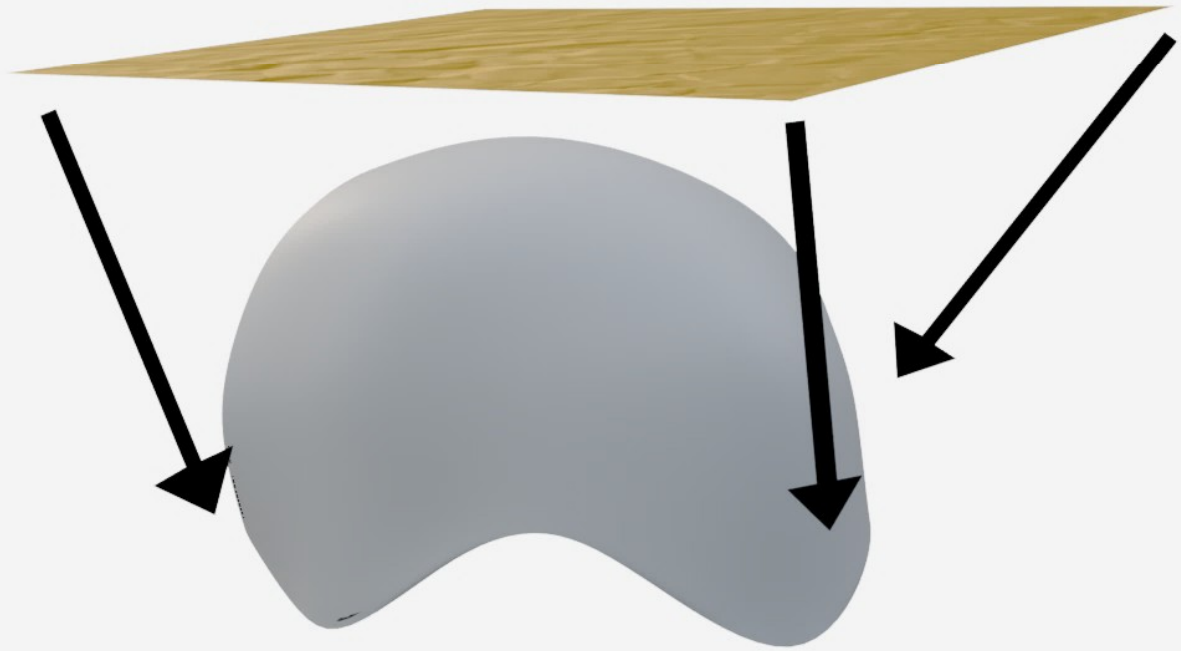
Step 20:Add velcro

-Glue a strip velcro onto the edge of the bottom of the Beak



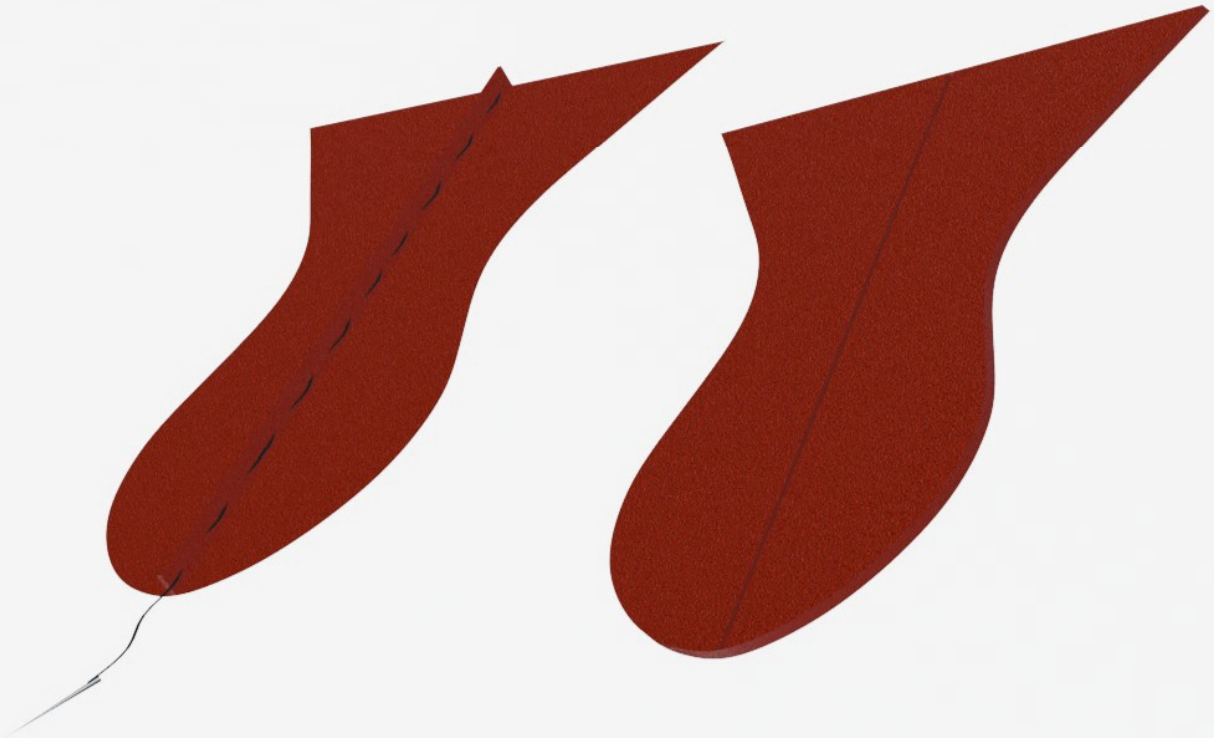
Step 21:Add Fabric onto the beak

-Cut out a piece of stretchy silk fabric and pull it over the foam
-It's reccomended you pull the fabric twords the back corners of the beak than working out the wrinkles
-Don't pull the fabric too tigh as it can squish the foam altering the shape



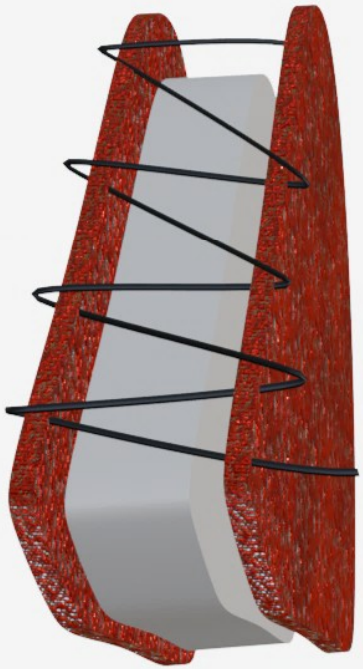
Step 22:Tongue

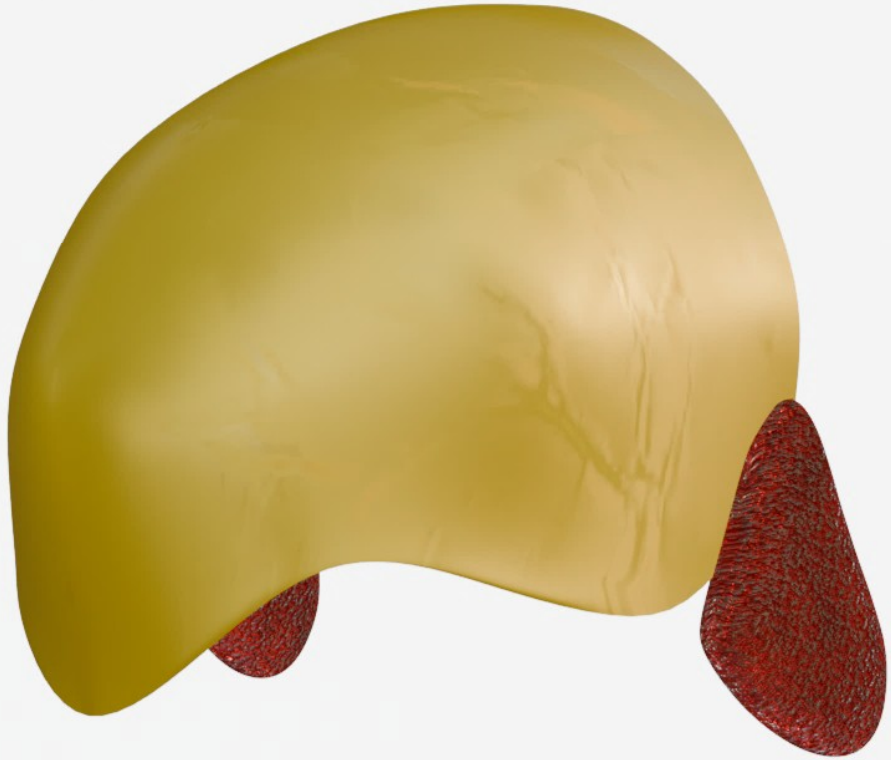
-Cut out 2 of the tongue pattern
-Sew along the middle of the pieces a creased line of fabric
-Sew the 2 pieces while facing eachother than turn it all inside out
-Attach the tongue to the back of the beak



Step 23:Wattles

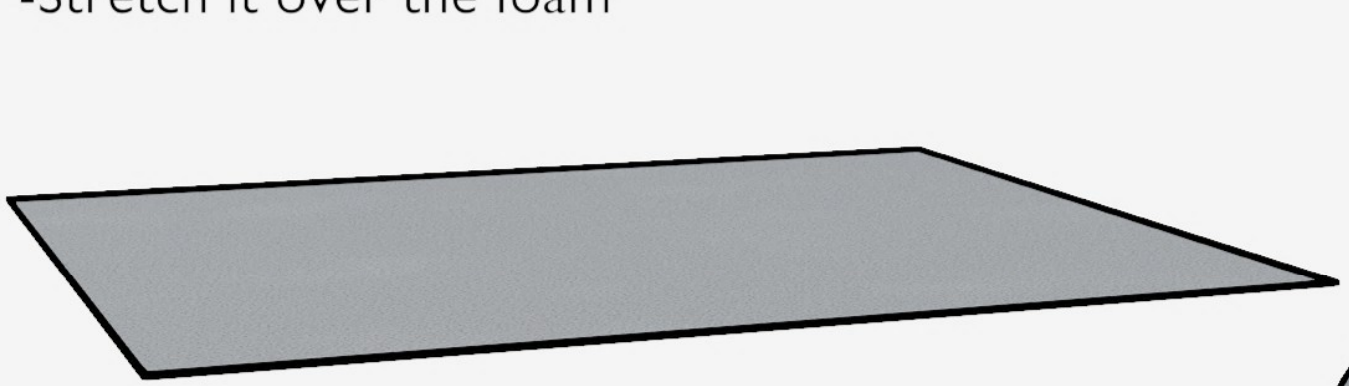
-Cut out 2 mirroring pieces of red sequin fabric and sew them togheter
-Before closing up the wattle stuff a piece of foam between the 2 fabric pieces
-Do this 2 times and attach one to each side of the beak

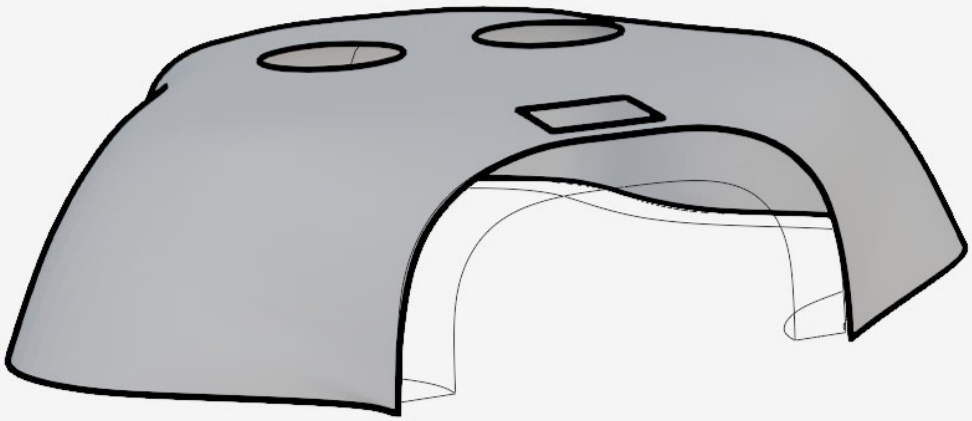


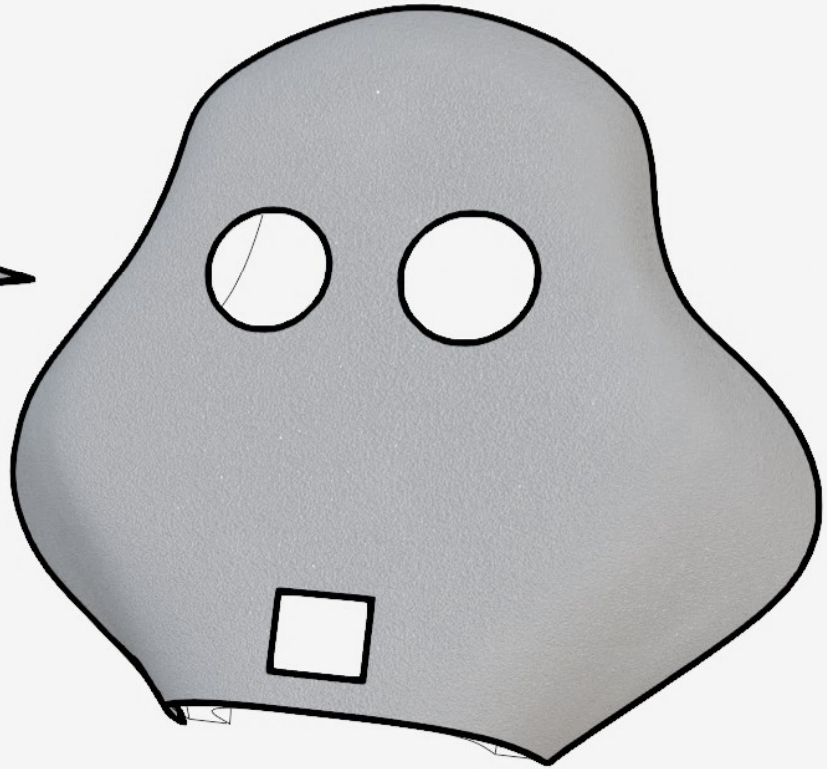


Step 24:Front Head Fabric

-Cut out a large piece of white stretchy terry cloth
-Stretch it over the foam

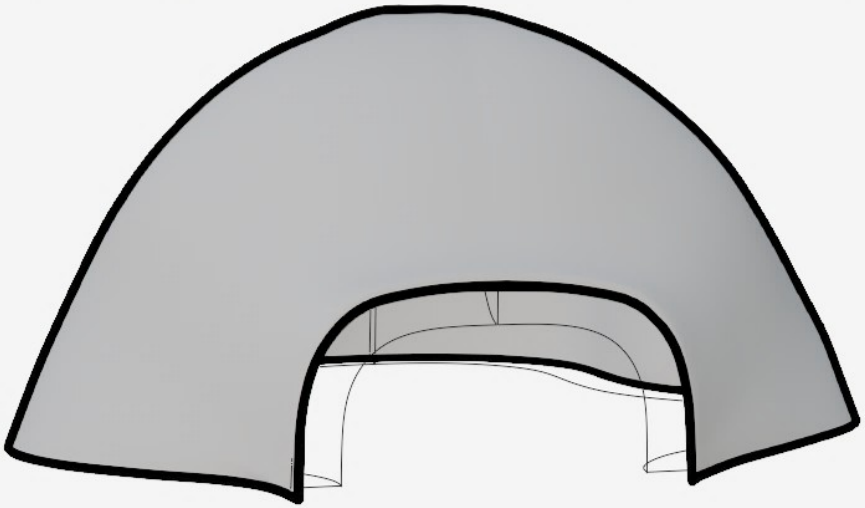


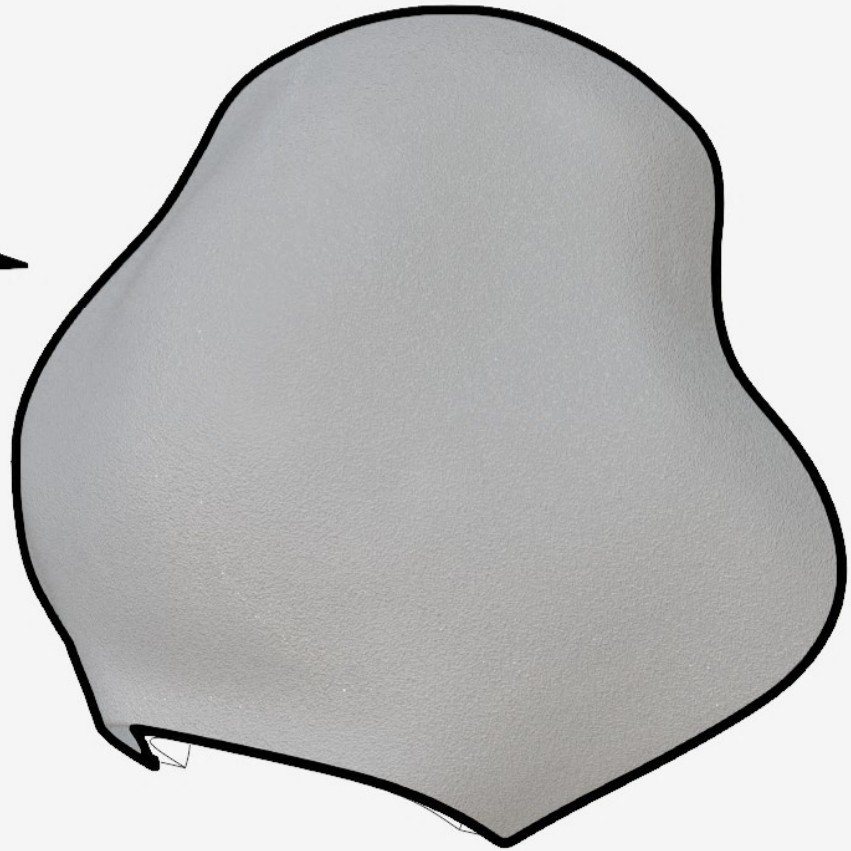




Step 25:Back Head Fabric

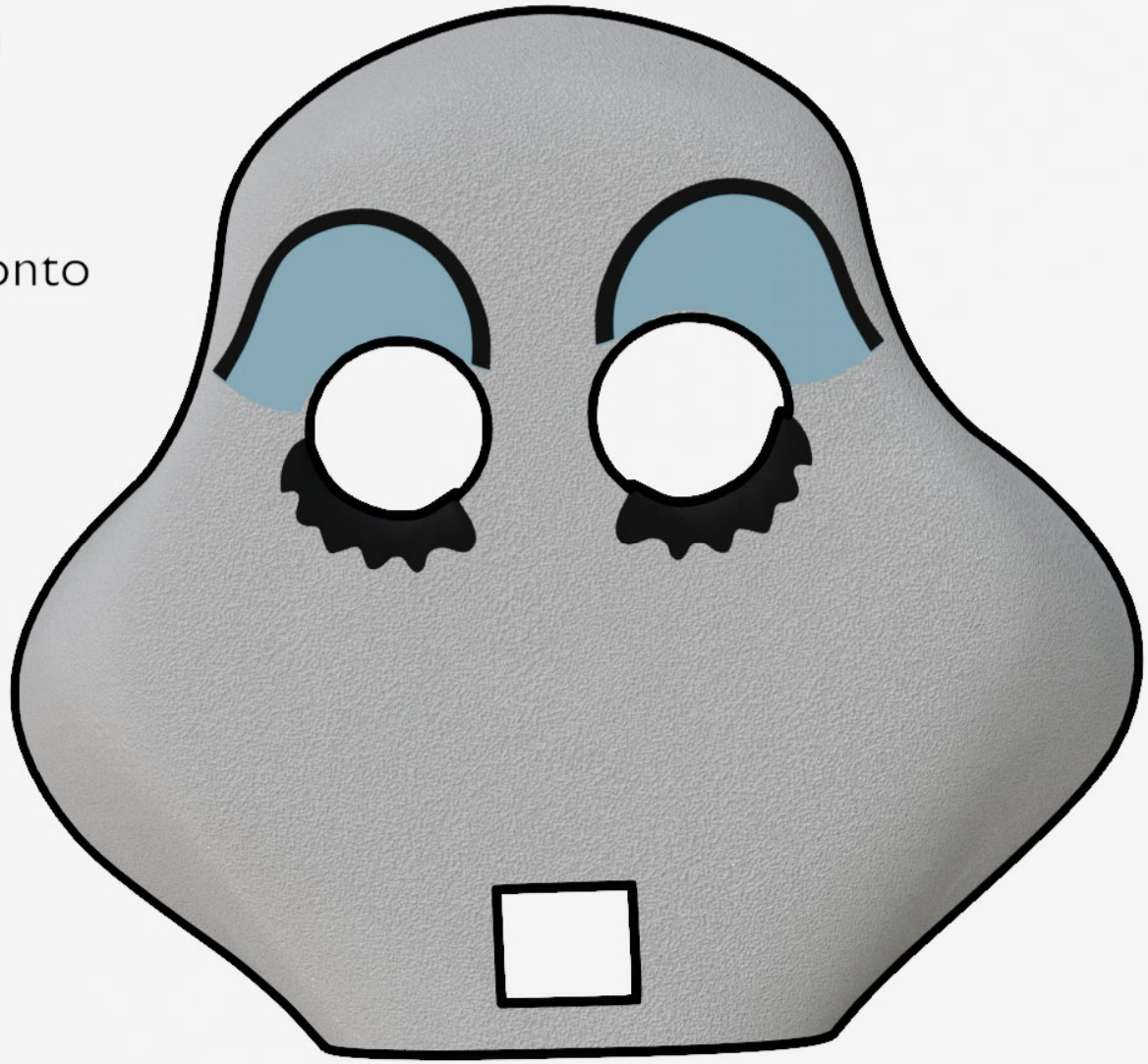
-Cut out a large piece of white stretchy terry cloth
-Stretch it over the foam





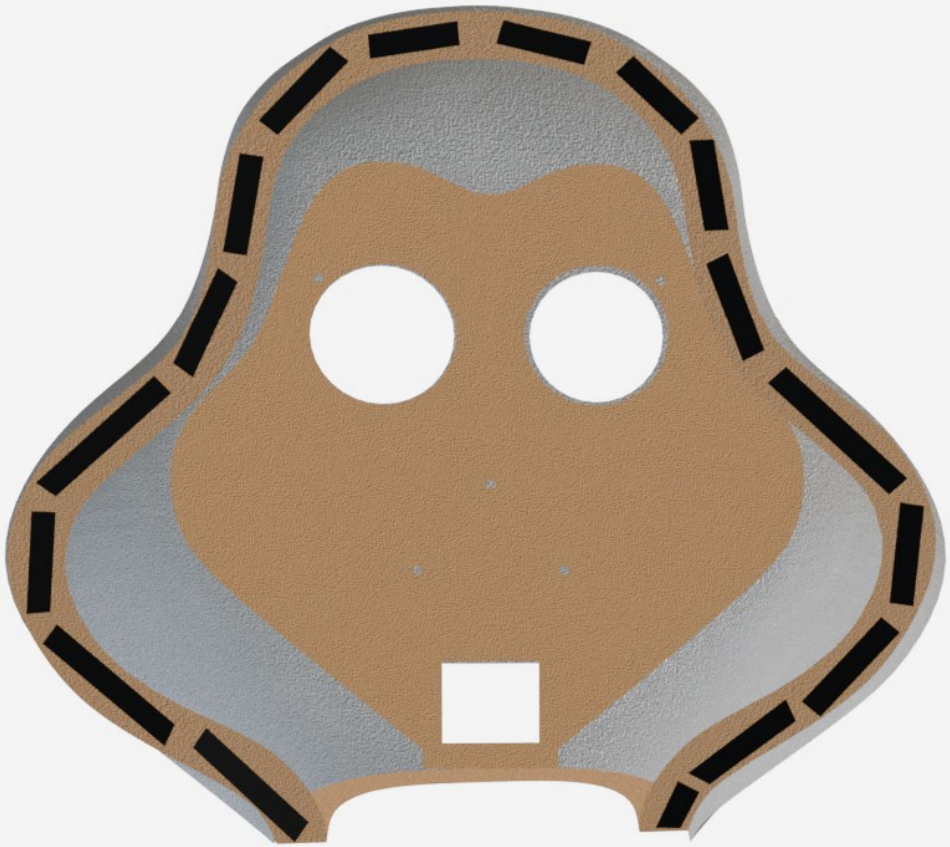
Step 26:Makeup

-Cut the parts out of thick Turquoise and Black Card stock and glue them onto the head



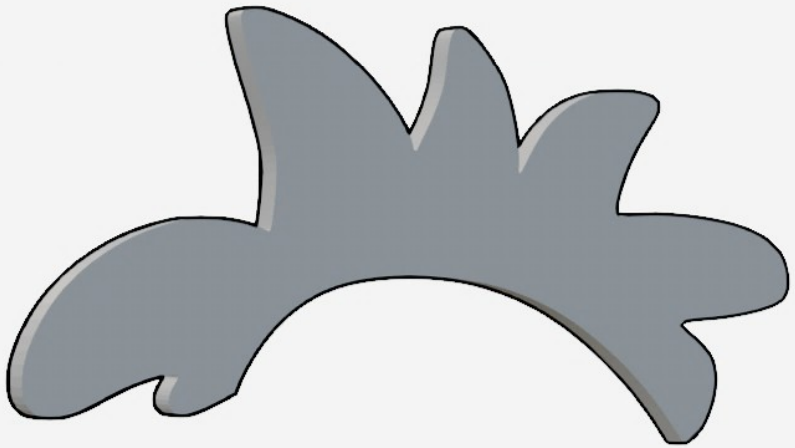
Step 27:Velcro

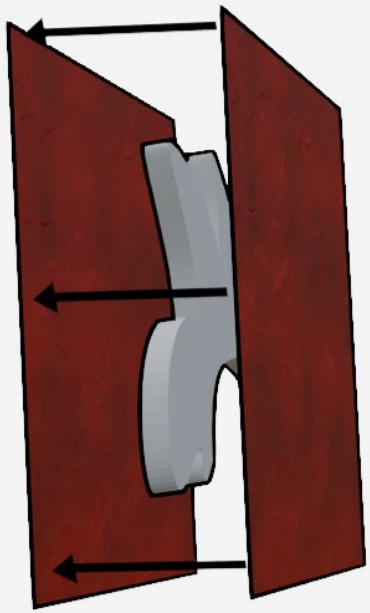
-To attach the velcro you can either staple or glue it on

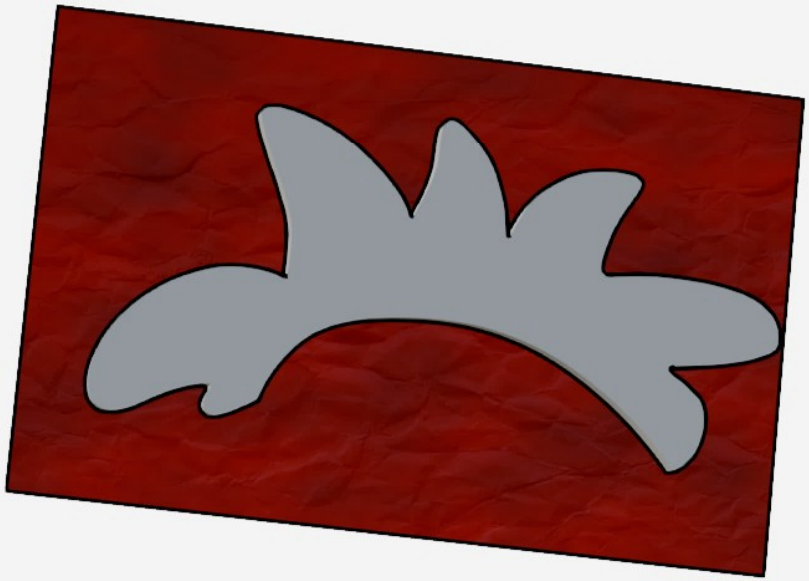


Step 28: The Comb

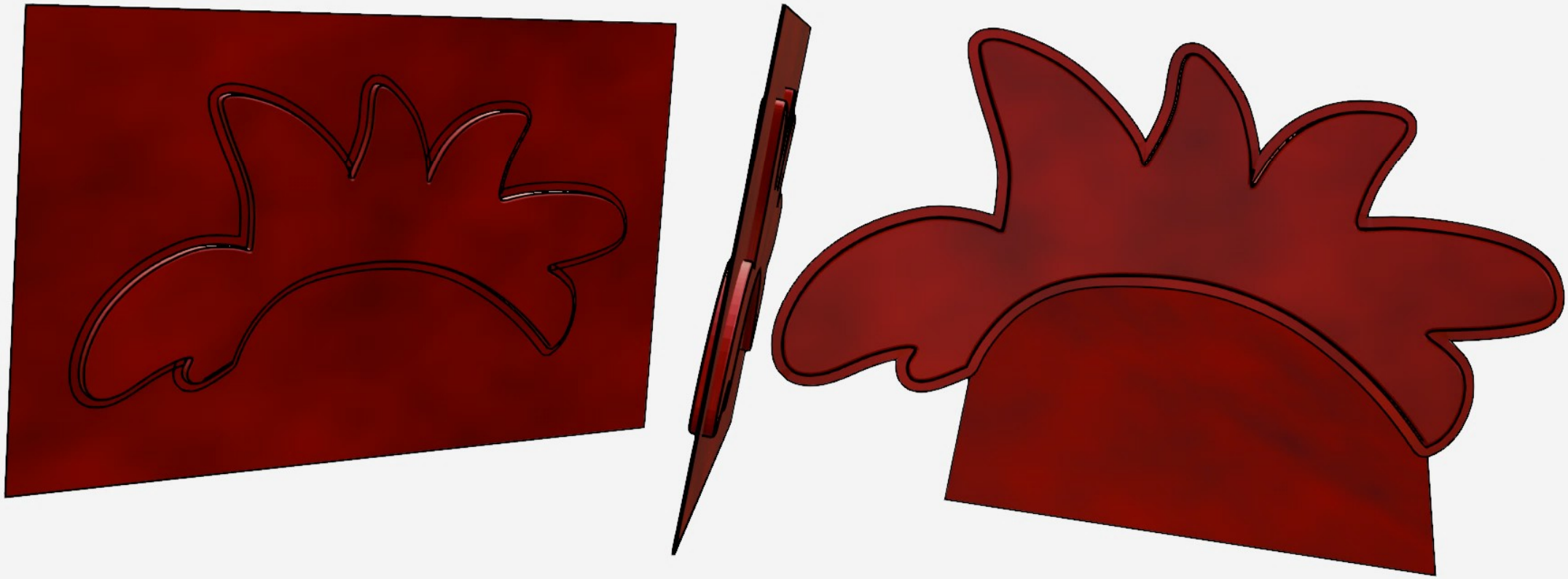
-Cut the comb out of foam and encase it in between
2 large pieces of stretchy red silk fabric



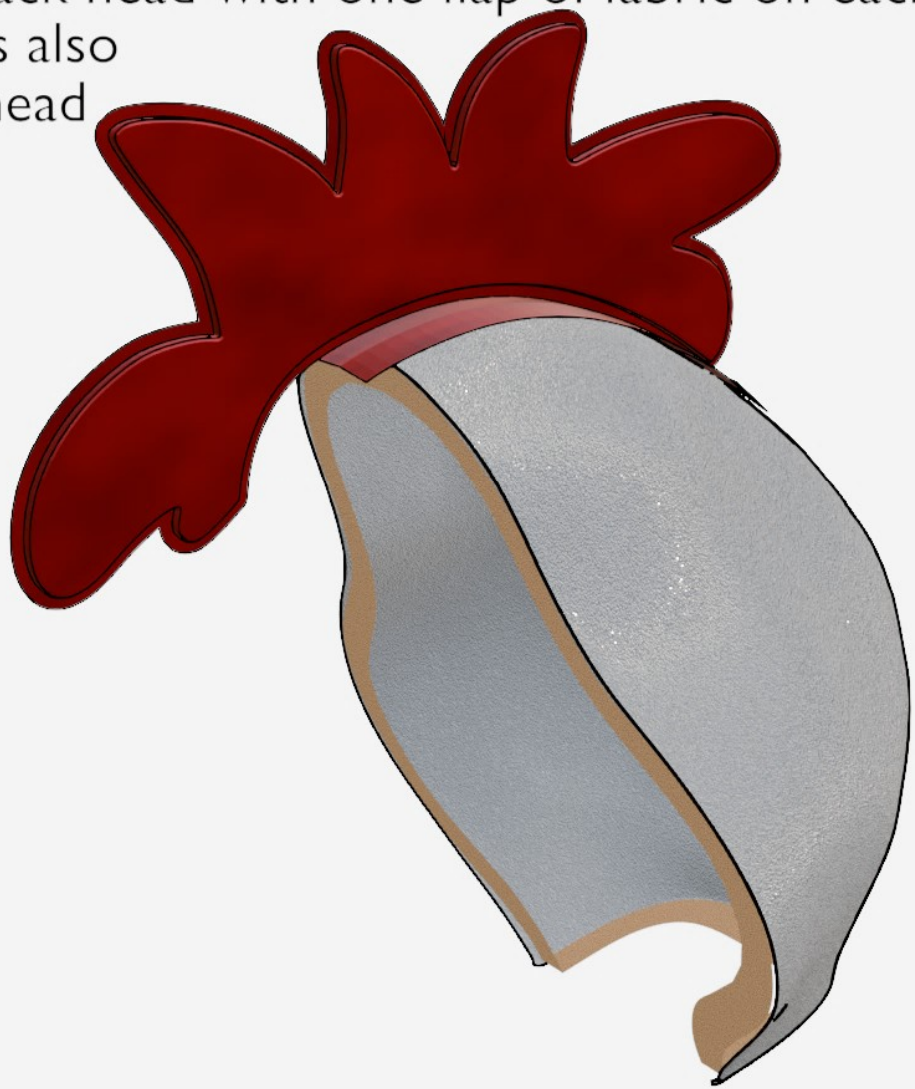




-Add a bunch of glue on the edges of the foam piece(excluding the bottom)
and squish the fabric so the fabric sits on the middle of the foam
-Cut off the excess fabric(excluding the bottom) leaving about 1/2 inch of fabric sticking out

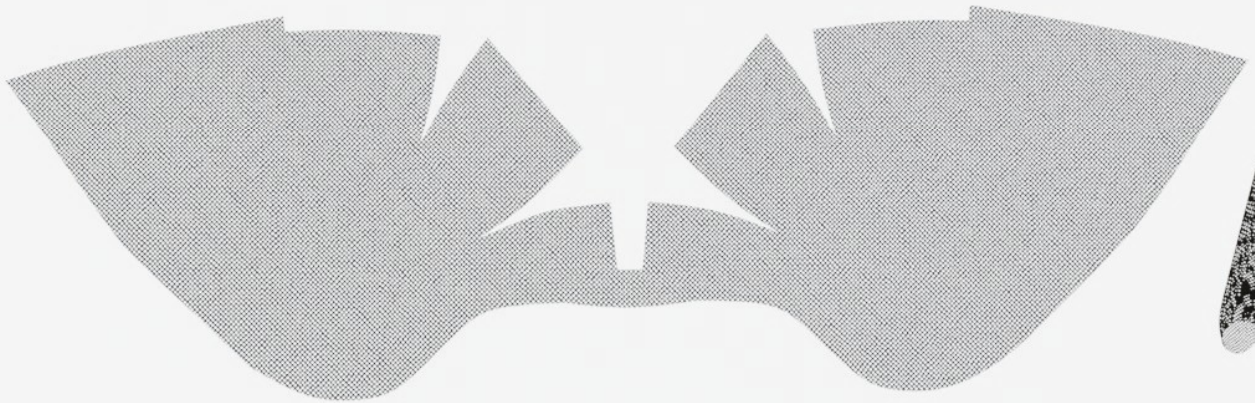


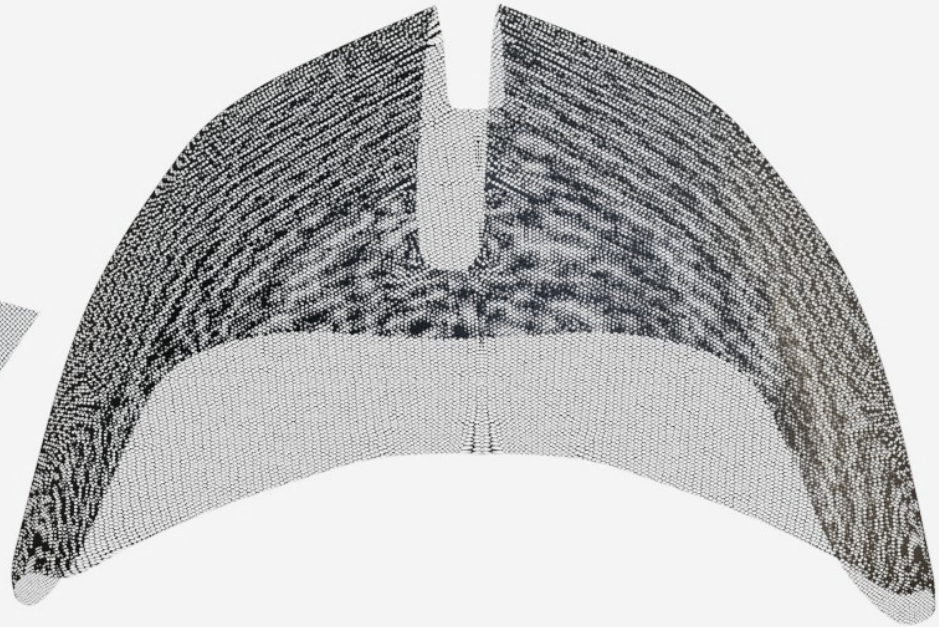
-On the bottom leave about 2 1/2 inches of excess fabric
-Attach the comb to the back head with one flap of fabric on each side
-Make sure a bit of fabric is also
overlapping on the front head



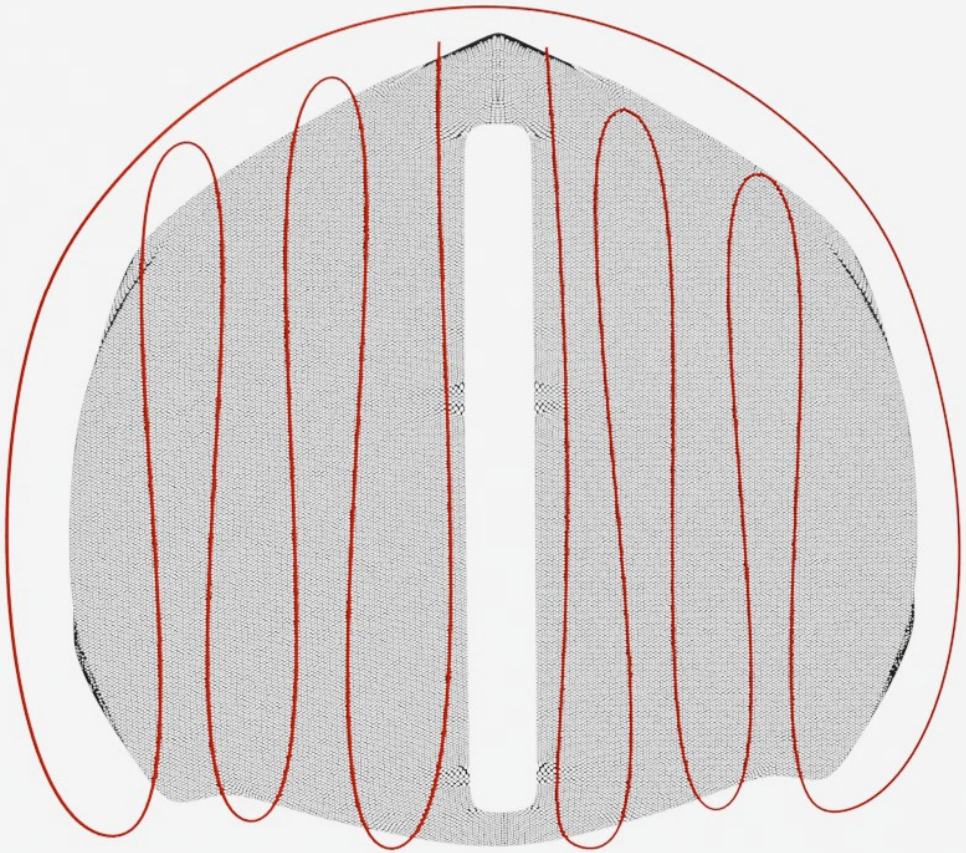
Step 29:Wig

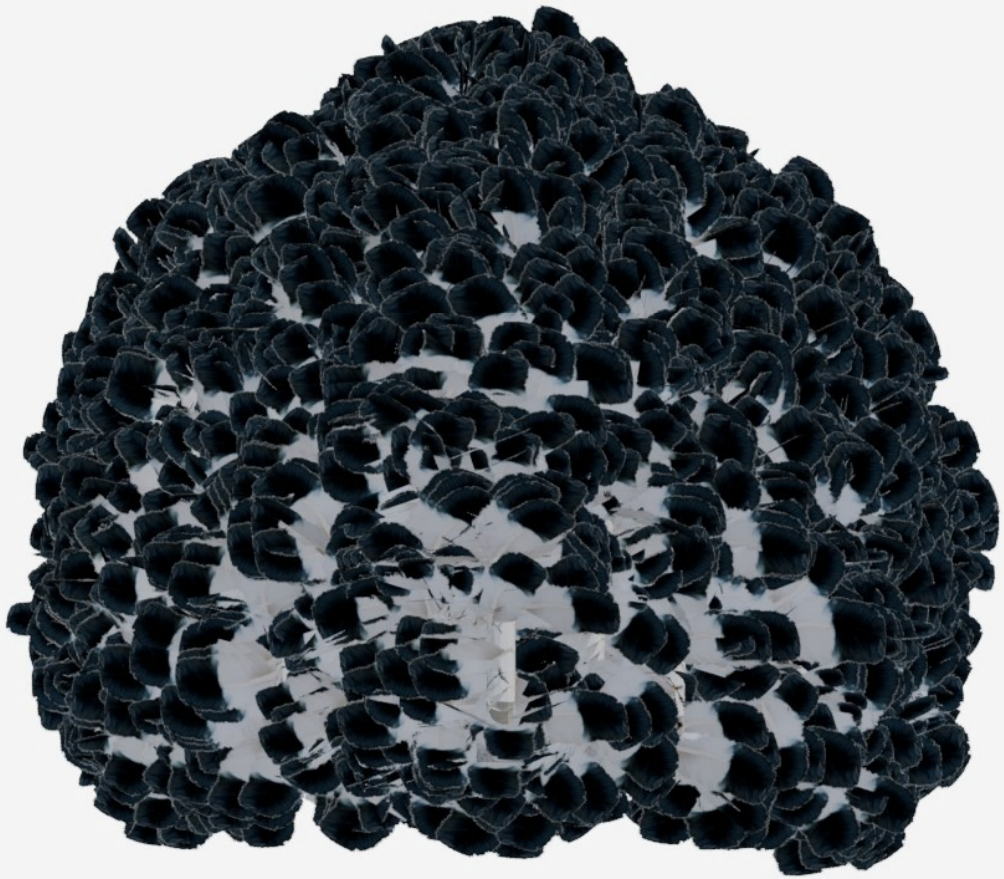
-Cut out the wig base out of a black mesh fabric
-Sew the seams togheter



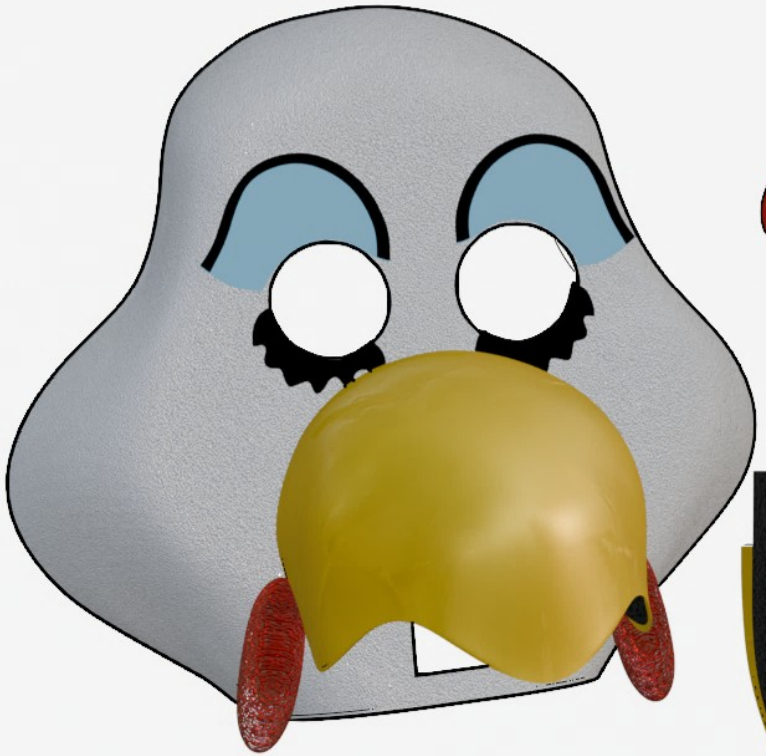


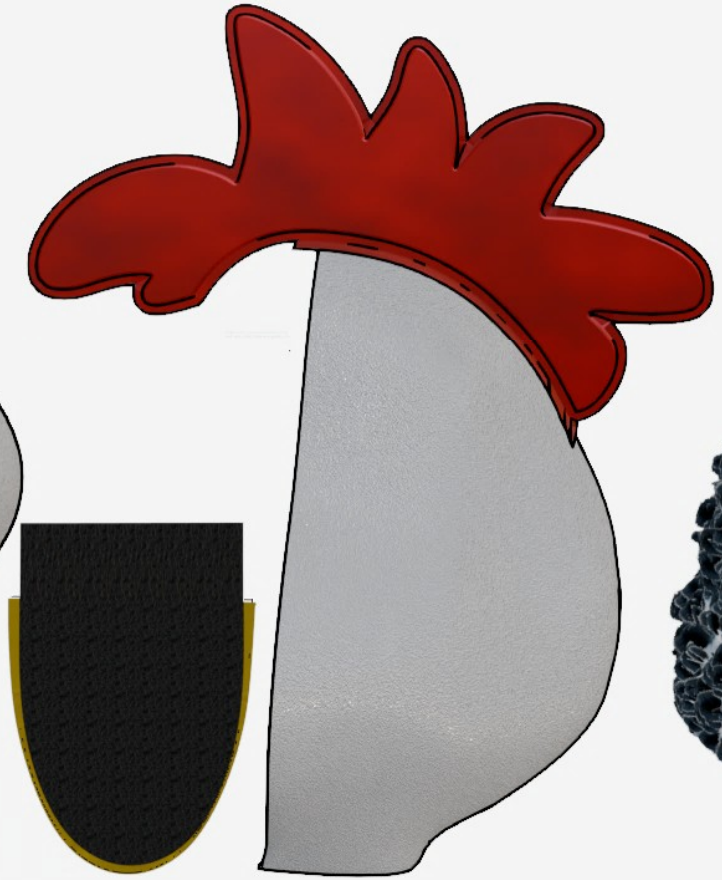
-With your ~30 feet of boa wrap it around the base acording to the diamgram bellow
-Attach the boa by wraping string around it's steam and trough the mesh base
-Once trough the fabric knot the string from the inside of the wig
-Do this multiple times until the boa is securely attached to the wig

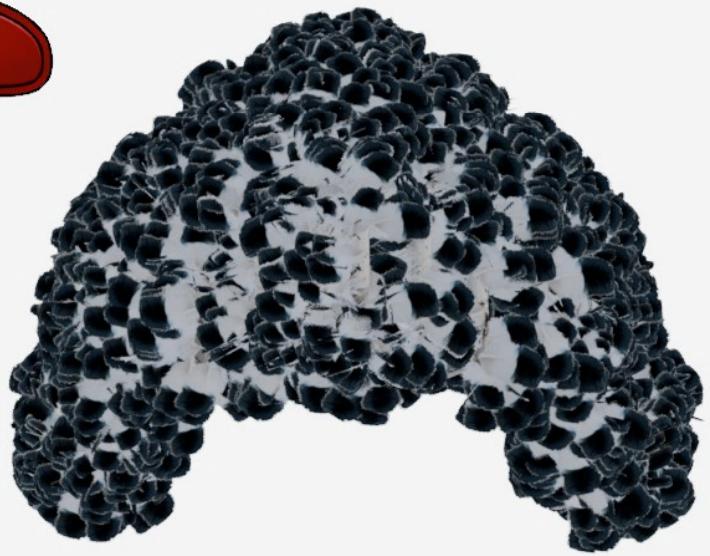




Congratulations!You have just finnished the mask!







-Give yourself a pat on the back!